



The QCWA Journal

Volume 37, No. 1

SPRING, 1988

40 Pages \$2.00

QCWA BOARD CONCLUDES BUSY TWO-DAY SESSION

IRVING, TX, Apr 10 - The QCWA Board of Directors ended a busy session today. The Board, in session since Friday morning completed a large agenda of matters having impact on QCWA activities, local and national in scope. Sitting in on the deliberations were recently nominated candidates for the office of Director in this summer's election: Pete Backstrom, W3DM; John Weber, KA2IXW and George Apfel, W2GHV. All officers and all directors, with exception of W2GHK, were present for the meeting.

A number of important actions which will help provide extended and better service to members were taken. Of special interest were long-range plans for QCWA and actions clarifying QCWA policy and/or positions with respect to the welfare of Amateur Radio.

The nominating committee for the 1989 QCWA election was named and approved by the Board of Directors. One newly Chartered Chapter (Big Bear Lake Chapter 165) was formally accepted by the Board.

Many other matters were considered, and in nearly every case action was taken to hear all proposals and following discussions, to reach a decision on nearly all items that had been placed on the agenda. Members of the Dallas Chapter of QCWA made arrangements to pick up nearly all who flew into DFW or Love Field, and on Saturday several Chapter 41 members had an informal meeting with the Board during the breakfast hour.

Abbreviated Minutes of the Board meeting appear on Page 7 of this issue of the Journal!

IRVING, TX, Apr 9 - The next major QCWA activity will be election of 5 Directors in the Summer, 1988 election. Full information on this important event can be found on Page 5 of this issue of the Journal. Read it so that you will know what to expect.

This issue of the QCWA Journal is loaded with information. Much of it was not available in a timely fashion, making it a very tough job to keep everything in some reasonable order. As a result, you will find information about various activities, items and so forth in very unlikely places. This was not our intent in the beginning, but it came out that way. Look over the contents of each page so that you won't miss something of importance.

Editorial Policy with respect to material to be published in "Letters to the Editor" has been outlined on Page 24. Information concerning the QCWA Spring Board meeting minutes appears on the same page.

MCLEAN, VA, Apr 13 - sponsors of the 1988 National QCWA Convention have officially announced the dates, location, and other pertinent information concerning the Fall of 1988 Convention. Find it all on Page 6 of this issue of the Journal. Make plans now to attend this meeting, to take part in the activity and to have to time of your life visiting with old friends. It's gonna be a bash!

SIOUX CITY, IA Apr 12 - The QCWA 1988 Nominations Committee, headed by Al Smith, W0PEX, provided a slate of Candidates to be elected to the five offices of Director open in this election. The Candidates have issued a brief statement from which you may determine their qualifications, and what their stand may be concerning the future of QCWA. Read the information to be found on pp 4-5, and be prepared to vote in this important election. Ballots will be mailed on or about May 15, and polls will close July 31, 1988. Your ballot is important to the future of QCWA - don't fail to watch for it and then mark it and mail it promptly.

JASPER, AR Apr 6 - QCWA President Leland Smith, W5KL, announced selection of a Nominating Committee for the QCWA 1989 elections. The Committee, headed by Joe Moskey, W1JMY, is charged with forming a slate of candidates for election of all QCWA Officers and five Directors. The Committee will begin work immediately and must be finished in time for presentation of their report to the Board at McLean, VA, this fall. A full story can be found on Page 16.

MARLBORO, MA Apr 17 - QCWA Activities Manager, Onie Woodward, W1ZEN, announced the top 5 competitors in the 1988 QCWA QSO PARTIES during the Sunday on-the-air meeting on 14,347 kHz. Baton Rouge Chapter President, El Charlton, W5MD, had sent his report to Onie just in time for an early announcement at that time. The high scorers are listed on Page 17 - a full report will be carried in the Summer issue of the QCWA Journal - watch for it, late in May or Early June. Thanks go to those whose work make the activity a success.

QCWA ON THE AIR MEETING

CW, each Wednesday Evening

8:00 PM, Eastern Time, 7035 khz

NCS Alternating - W5QU / W4PI

QCWA ON THE AIR MEETING

PHONE, SSB, each Sunday Afternoon

2000 GMT, 14347 KhZ,

NCS - W6FQ

QCWA HEADQUARTERS ADDRESS

QCWA, Inc.
1409 Cooper Dr
Irving, TX 75061-552
Telephone 214 438 8038

Quarter Century Wireless Association, Inc.



HONOR AWARDS

QCWA HALL OF FAME

1980	MR. RAY MEYERS, W6MLZ
1981	MR. BILL HALLIGAN, W9AC
1982	MR. BARRY GOLDWATER, K7UGA
1983	MR. JEAN-B. WOLFF, LX1JW
1984	MR. DON WALLACE, W6AM
1986	MR. GEORGE STERLING, W1AE
1987	MR. VICTOR CLARK, W4KFC

DISTINGUISHED SERVICE AWARD

1975	MR. A. L. WALSH, W2BW
1979	MR. MARK DEVANEY, K4IDC

MEMBER OF THE YEAR

1979	MR. ED TROMBLEY, W8CAM
1981	MR. LEW SIECK, K4NE
1982	MR. HERB GLEED, W6FQ
1984	MR. BERT GUNN, W5FU

ROLL OF HONOR

1981	MR. JOHN DiBLASI, W2FX
1981	MR. GUS GIRONDA, W2JE
1985	MR. BUD WAITE, W2ZK
1986	MR. FARL THOMAS, W2MM
1986	MR. RALPH BARBER, W2ZM
1987	MS. ETHEL SMITH, K4LMB

JOHN DiBLASI AWARD

1984	MR. HAL SEARS, W5NC
1986	MR. OWEN GARRIOTT, W5LFL



The QCWA Journal

Volume 37, No. 1 Spring, 1988

OUR PRESIDENT'S MESSAGE

In our forty year history, QCWA has never had a home of its own. For the most part our Headquarters operations have been carried on from private residences of members. This has been a satisfactory arrangement considering our limited membership, financial resources and, until recently, the extent of QCWA programs and the volume of operations.

No one should doubt that QCWA is a permanent, growing and purposeful organization of especially qualified and dedicated radio amateurs. The time is coming when we will need a larger and permanent facility where we can carry on our operations, house our office equipment and records and possibly maintain a museum of earlier radio equipment.

In my judgement, the time has come for QCWA to begin serious planning for such a facility and to place increasing emphasis on our QCWA Building Fund. Your views on this subject will be appreciated.

The QCWA national elections this and next year are especially important. The Directors you elect this year and the Officers and Directors you elect in 1989 will determine to a great extent the future growth, character and programs of QCWA in the 1990s. All of you are urged to vote in the election this year and to suggest names for the 1989 election to the Nominating Committee announced in this issue of the Journal.

PAST PRESIDENTS

Mr. John DiBlasi, W2FX*	1947-1964
Mr. Earl R. Thomas, W2MM*	1965-1968
Mr. Clarence Seid, W2KW	1969-1971
Mr. Barry Goldwater, K7UGA	1972-1973
Mr. Frank A. Gunther, W2ALS	1974-1977
Mr. Harry S. Gartsman, W6ATC	1978-1981
Mr. Stuart Meyer, W2GHK	1982-1985

EXECUTIVE SECRETARY/GENERAL MANAGER

Mr. Ralph Barber, W2ZM*	1955-1964
Mr. Gus Gironda, W2JE	1965-1973
Ms. Ethel Smith, K4LMB	1973-1976

HEADQUARTERS STAFF

Ted Heithecker, W5EJ	General Manager
J. R. Neelands, W6DLL	Books & Publications
Harry Neben, W9QB	Funtest Editor
Nadine Wells, W5ZUT	Office Secretary
Ruth Chance, K5YL	Office Secretary
Herb Lipson, W8FBH	Computer Editor
Joseph E. Ash, W9ODV	Cartoonist
Clarence King, Jr., K6HPW	Life Member Rcd

BOARD OF DIRECTORS APPOINTEES

Onie Woodward, W1ZEN	Activities Manager
Blanche Randles, W4GXZ	QCWA Taping Coordinator

1987-1988 QCWA OFFICERS AND DIRECTORS

Leland Smith, W5KL, President HCR-31, Box 147, Jasper, AR 72641	501 428 5967
Hugh Winter, W5HD, Vice President PO Box 14904, Albuquerque, NM 87191	505 293 5735
Jim Walsh, W7LVN, Secretary 159 E 16th St, Eugene, OR 97401	503 344 3321
Wesley Randles, W4COW, Treasurer 6002 N Fremont St, Tampa, FL 33604	813 870 0867
Travis Baird, W9VQD, Director 6815 N Ironwood Ln, Milwaukee, WI 53217	414 352 9642
El Charlton, W5MD, Director 1533 Outrigger Dr, Baton Rouge, LA 70816	504 275 5744
Esther Given, W6BDE, Director 117 La Granada, Moss Beach, CA 94038	415 728 3110
Fred Hammond, VE3HC, Director 81 College Ave, Guelph, ON N1G 1S2	519 822 2960
Arthur Kay, W5APX, Director 104 Hampshire, Box 241-C, Shelbyville, TN 37160	615 684 3554
John Kelleher, W4ZC, Director 612 Ednor Rd, Silver Spring, MD 20904	301 924 1605
Lew McCoy, W1ICP, Director 200 Idaho St, Silver City, NM 88061	505 388 4862
Stuart Meyer, W2GHK, Director 2417 Newton St, Vienna, VA 22180	703 281 3806
Leo Meyerson, W0GFQ, Director 69911 Via Del Sur, Cathedral City, CA 92234	619 321 1138
Hal Sears, W5NC, Director PO Box 38245, Houston, TX 77088	713 367 0552

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QCWA NEWS is published by the Quarter Century Wireless Association, Inc., 1409 Cooper Drive, Irving, TX 75061-5527, under authority of the Board of Directors.

Edited by: Ted Heithecker, W5EJ

Mailed as 3rd class material, Dallas, Texas, Permit Number 8167.

The QUARTER CENTURY WIRELESS ASSOCIATION was founded December 5, 1947, and is incorporated in the State of New York, as a Not-for-Profit Organization.

Permission to reprint is granted. Credit QCWA and author, when identified.

Candidates in QCWA 1988 Election

(FIVE DIRECTORS TO BE SELECTED BY QCWA MEMBER BALLOT)

LEW McCOY, W1ICP, Incumbent Director, elected to office in 1983, serving since that time, candidate for re-election to the office of Director, first licensed W9FHZ in 1945, extra class. Worked for the ARRL beginning in 1948 as Assistant Communications Manager, then in Technical Department where he served successively as Editor of Novice, FM Products review and finally Senior Assistant Technical Editor, retiring in 1979. Lew is known for many popular circuits such as the Ultimate Transmatch, Monimatch and antenna designs. Currently Technical Consultant for CQ Magazine, visiting many amateur conventions and radio groups. Lew states: "I feel QCWA is a vital force in amateur radio. Experience comes with age and the very nature of being an amateur 25 years makes QCWA a vast reservoir of knowledge and experience. My goal - represent the members, attend all meetings possible".



M. L. "Pete" BACKSTROM, W3DM, Candidate for the Office of Director. First licensed in 1935 as W8NWB, Extra Class since 1965. Calls held include W8NWB, W3NWB, K9HRX and W3DM. Member of ARRL, OOTC, QCWA (50 + years), Pittsburgh Chapter # 6, where he was President for three years and Director for many more. Also, Past President of Two Rivers Amateur Radio Association.....has been active on most bands, but "home" has been 20 and 40 meter CW. Was first employed by a division of what later became U S Steel

Corporation, where I earned my first Industrial patent at the age of 23. This patent resulted from my knowledge of radio-frequency which of course resulted from knowledge gleaned from my "ham" radio activities. My life has been spent in Mechanical and Metallurgical Engineering. Nearly every major career activity change was sponsored, at least in part, because of knowledge gained via amateur radio. Hobbies include Amateur Radio, music, golf, boating, wood and metal working, computers, my wife Ginney, our 6 children and 7 grandchildren, and travel. "My ambitions for QCWA are to see it grow world-wide - for the promotion of Amateur Radio via the ARRL to the FCC - to strengthen the bonds of friendship-encourage communications between members - influence active participation of younger members while strengthening the preservation of knowledge and traditions of the early pioneers. Remembering that we too were once the 'new kids on the block' - and to take advantage of the fact that we can hold out a helping hand to the old timers as well as the new kids. I believe it is the duty of a Director to communicate personally with QCWA membership and the individual chapters to provide a decision making base for the Directorship. If elected, I would make that pledge!"



GEORGE APFEL, W2GHV, Candidate for the Office of Director, Advance class, first licensed 1933. Now Chairman Emeritus of the Board of Piezo Electronics Inc., the crystal manufacturing company he began in 1938. Also a member of the Boards of Crystal Research Inc., and Exactron, Inc. George is a Fellow of the Radio Club of America (1979), has served as Treasurer of RCA 1980-1985, as a Member of its' executive Board 1978-1987, a Member of the Board of Directors, 1985-1989 and a Member of the Scholarship Committee, 1980-1986. Georges' QCWA activities include Charter membership #2, Chapter 77 (Northern New Jersey); Secretary of Chapter 77, 1974-1976; President of Chapter 77, 1976-1978; membership in QCWW Chapter of QCWA; active in National QCWA affairs 1977-1989; Chairman of the Annual QSO Party, 1978; Member of National QCWA Nominating Committee, 1979; Nominee for the Office of Director, 1983, have attended many QCWA National Conventions 1978 to date. "As Director of QCWA, my aim would be to increase the activities that the 'Members at Large' can participate in, to further add to the attractions of membership in QCWA".

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JOHN WEBER, KA2IXW, New York, NY, Candidate for the Office of Director, first licensed in 1953, general class. John served in the United States Navy during the Korean War. During the past eight years, operated as VP2VIC in the British Virgin Islands during December and January. He has been active in QCWA affairs on the local level, working to reactivate the Metro New York Chapter (renamed the Founders' Chapter). With the help of Hank Schickler, W2ICW, contacted 1200 local hams by letter inviting them to join our fellowship. As Net control of the weekly Conex net (Northeastern Council of QCWA Chapters'). I have furthered the goals of inter-chapter fellowship in the Metro area. On the national level I have written for the QCWA Journal and have presented proposals to the National Board at its' most recent National Convention at San Diego. In private life I am President and CEO of John Weber Gallery in New York City, a large internationally known contemporary art gallery. In this capacity I travel throughout the world frequency, contacting hams and radio clubs wherever I go. I am also a member of the Radio Club of American and the ARRL. "If elected as one of your Directors, my greatest asset is, I believe, my youth. I am concerned with the survival of QCWA in the 21st Century and pledge my commitment, abilities and loyalty to attaining this goal. We have great fellowship in QCWA and its' potential as a major force in Amateur Radio of the future is unlimited. Through International recruitment efforts, reactivation of Chapters and through programs designed to get "at large" membership involved in local chapters, I feel we can make the organization strong and one that every qualified Ham in the world will be honored to join!"



FRED HAMMOND, VE3HC, Incumbent Director, elected to office 1986, Candidate for re-election to the office of Director, first license in 1929, equivalent to Extra class. Fred works all frequencies, 2 meters through 160, is actively on the air and attends all QCWA activities in the Province of Ontario. Fred has been associated with his own Company manufacturing transformers and other components for the electronic industry. He maintains a Museum of Radio with equipment dating from the first days of the 20th century to date. Items of interest to amateur radio enthusiasts abound. The Museum is open from 8 to 5, Monday through Friday, or by special arrangement. It is a Federally registered Museum. Fred states that he will work diligently to advance the interests of amateur radio and QCWA throughout the world!

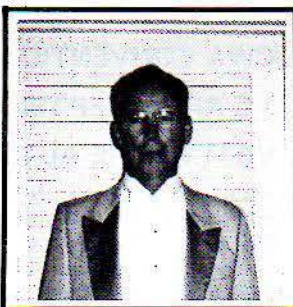
Picture Not Available



FRANCIS (Frank) S. La LONDE, W4PBL, Candidate for the Office of Director, First licensed in 1949, General Class, served as a flight instructor with the U S Army Air Corps during WW-II. Earned a degree in Sociology from Florida Southern College. Frank was employed for forty years in management positions with major electronic firms. Is a member of the Elks and Knights of Columbus, serving as President of the Central Florida Chapter No. 107 of QCWA and Chairman of social activities for all local area amateur radio organizations. Frank is married with two children. "If elected as a QCWA Director, I will be dedicated to the furtherance of amateur radio by maintaining liaison with area QCWA Chapters and amateur radio clubs. In addition I will promote good public relations for amateur radio".

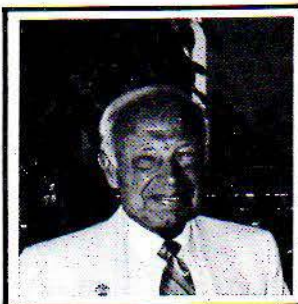
Candidates

ELBRIDGE B. "EL" CHARLTON, W5MD, Incumbent Director, appointed to office in 1987, candidate for re-election to the Office of Director, first licensed in 1952, Extra Class since 1954. I attended LSU 1940 - 1942, at which time I joined the US Navy. Was assigned to the Armed Guard and spent the entire war aboard armed Merchant ships in convoy as both a radioman and signalman. After release from active duty, I joined a local surface division in a drill pay status. Was recalled for two years during the Korean war and after a total of 27 years, I retired as a Chief Radioman. I was employed by the Ethyl Corporation for a period of 38 years as Senior Lab Technician, retiring from that position in 1983. A member of ARRL, SOWP, OOTC, QCWA and the Long-Wave Club of America. I am also President of the Baton Rouge Chapter 109 of QCWA. QCWA is my first and only important organization. I am at present a member of the Board of Directors filling the vacancy caused by the untimely death of Wade Holland, W4AZT. I would be honored to be elected to serve a full term as Director for QCWA. I would like to see our organization prosper and grow and our comradeship come closer together. As I am fully retired, I can and will devote full time to our great organization!



ESTHER GIVEN, W6BDE, Moss Beach, CA, Incumbent QCWA Director, first elected in 1983, serving since that time, Candidate for re-election to the office of Director. First licensed 1946, advance class, Enlisted in WAAC in 1942, assigned Midland Radio School, graduated as high-speed radio operator in 13 weeks. Military assignments included Anti-Aircraft Command and Army radio station WAR. Retrained by Army as commercial R/O in 1944 as one of 14 WACS assigned sea duty. Served as CHOP on U. S. Army Hospital Ship "Chateau Thierry" for 13 months. Returned to civilian life December, 1945. Retired 1976 from University of California Cooperative Extension after many years working with the 4-H youth program at county and state levels. A QCWA member since 1971 and now a life member, Esther has served as a director for 5 years and has attended every board meeting and convention during her tenure of office. She has written the monthly QCWA column in WorldRadio News since 1983. Esther believes QCWA must continue to restructure and upgrade to meet today's challenges while preserving the expertise, achievements and historical contributions of amateur radio pioneers.

LEO I. MEYERSON, W0GFQ, Incumbent Director, elected to office 1977, serving since that time, candidate for re-election to the Office of Director, first licensed as 9GFQ in 1928, advanced class. Leo is an active amateur and active in QCWA affairs, having served as Director since his election in 1977. Leo has been President of the Council Bluffs, Iowa Radio Operators Club, he is presently a Fellow of the Radio Club of America, a member of Ak Sar Ben Radio Club, of AREC and of OOTC. Leo was Communications Chief of the Council Bluffs 1952 Flood Disaster and has been affiliated with the American Red Cross and Civil Defense activities. Leo organized the World Radio Company in 1936. He was President of Globe Electronics and of Galaxy Electronics, both companies were sold in 1959 and 1970, respectively. He is past President of the Kiwanis Club and of the United Fund groups in Iowa. He has been named to the Abraham Lincoln High School "Hall of Fame" - an award honoring those who have contributed to the welfare of the Community and the School. Leo has been Chairman of the QCWA Memorial Scholarship Fund since its inception in 1977. The Fund now awards seven scholarships annually, and has been brought to its present importance by Leo's continued efforts to encourage gifts to build the fund. He has been honored by his peers who established the Leo Meyerson Greater Palm Springs Area Chapter of QCWA. Leo pledges his continued efforts to make QCWA an honored Amateur Radio fraternity.



Election Notes

GENERAL INFORMATION

QCWA President, Leland Smith, W5KL, back in the fall of 1986, appointed a nominating committee charged with producing a slate of candidates for the election of five directors. The Committee consisted of Al Smith, W0PEX, Chairman and three other members, Walter L. Brink, W3WPY; George Clark, W2JBL and Jim Gundry, W4JM. The committee did its work as charged, and presented a slate of ten candidates for the five positions open. Several months later, one candidate resigned because of a possible conflict of interest. The QCWA Board, its officers as well as all QCWA Members thank the Committee for a job well done.

The Year 1988 is considered an off-year election. That is, no officer positions are open, with election of five of the candidates who are nominees as directors to serve for two-year terms. They will take office on September 1, 1988, serving through August 31, 1990.

Producing a slate of candidates and voting are two major parts of the QCWA election process. The final part is the counting, or tallying of the ballots cast by members. For the 1988 Election the Tellers Committee will be members of QCWA Blue Ridge Chapter #76. Those of the Chapter who have signified they will participate in the counting of ballots are:

H. C. "Duke" Knief, W2YTO - Chairman
Arch Doty, K8CFU
Charlie Jobes, W1HVA
Walt Steiges, W1HTL
John Frey, W3ESU
Harry Mills, W4HU
Harold Johnson, W4ZCB

a great deal of credit goes to these QCWA Members who are actively participating in QCWA work. They will enjoy the job, but they'll also know they've counted some ballots when they get through! Thank all of you for volunteering to serve in this important position.

Ballots for the Election will be prepared at HQ and will be mailed via the QCWA bulk-mail franchise. IT IS OF THE GREATEST IMPORTANCE THAT EVERY MEMBER ADVISE HQ OF ADDRESS CHANGES SO THAT THE MAIL WILL GO THROUGH AND EACH WILL HAVE AN OPPORTUNITY TO VOTE. If the ballots are sent to the wrong address they will simply be destroyed, and your right to vote will have been lost. Change your address today - don't wait, or it will be too late to get the change made in time for the ballot mailing.

The ballots will be prepared and mailed approximately May 15, 1988. The polls will remain open through midnight, July 31, 1988. Note that your ballot must reach the tellers by the end of the day, July 31....the date of postmark does not enter into the matter. This provides approximately 75 days between mailing time and the closing of the polls. It is always a good idea to mark and mail you ballot immediately upon receiving it - they do get misplaced.

The tellers will advise the General Manager by telephone and both the General Manager and the National Secretary by mail, of the total votes cast for each candidate. The five candidates having the greatest total number of votes will be considered to have been elected. All candidates will be notified by the General Manager, by telephone, of the outcome of the election, no later than August 5, 1988, so that they may make plans to attend the QCWA National Convention at McLean, VA this fall.

All candidates were invited by the Board of Directors to attend the Spring, 1988 meeting held in Irving, Texas. A number of them did so, and the Board appreciated their interest and help. All candidates will receive whatever information becomes available to help them in their duties if elected to the Board.

A final word is in order. As you can see, an election of officers/Board members of QCWA is not the task of a moment. Work begins nearly two years before the election, many calls, visits and much planning is done before ballots can be sent - and an equal amount of work is performed after they are mailed. Make the election meaningful. When your ballot comes, mark it and return it (it is self-addressed) as promptly as possible.

Remember, candidates for the 1989 election are being sought at this time - and, you can nominate by petition! Write for details!

QCWA National Convention, 1988



JOIN YOUR FELLOW MEMBERS AT THE
1988 INTERNATIONAL QCWA CONVENTION

IN THE GREATER WASHINGTON, D C AREA, SEPTEMBER 23-25

A TRULY GREAT PLACE TO VISIT IN THE AUTUMN!

The 1988 QCWA Convention is to be hosted by the Vic Clark Chapter #91. The Hotel is in the Virginia Suburb of McLean. Transportation from Dulles and Washington National Airports is via "Washington Flyer" van or private taxi. There are scores of tours to interesting places available as well as many historical spots to visit. Cruise on the Potomac or visit any of ten Smithsonian Museums. There is too much to list. Write: The International Visitor Information

Service, 733 15th Street, NW, Suite 300, Washington, DC 20005 for their brochure which gives lots of general information. Then you may wish to follow up by inquiring about specific tours, landmarks, historical sites, etc. On the form below, please indicate if you would be interested in a special tour of the NASA Goddard Space Center immediately before or after the convention (Wednesday, September 21 or Sunday, September 25).

REGISTRATION FORM -- CUT ALONG DOTTED LINES PLEASE

Name _____	Call _____	XYL First Name _____
Address _____		
No. & Street _____	City _____	State _____ Zip _____
QCWA Member - - - - -	\$ 7.00	Amount _____
Member & XYL - - - - -	\$ 8.00 for both	Amount _____
Additional Guests - - - - -	\$ 4.00 each	How Many? _____ Amount _____ Name(s) _____
Saturday buffet breakfast - - -	\$ 12.00 each	How Many? _____ Amount _____
Saturday Evening Banquet - - -	\$ 22.00 each	How Many? _____ Amount _____
(Tax & Tips included in above prices)		Total Amount Enclosed _____

Possible NASA Tour:	
Wed _____	Sun _____
Not Interested _____	

Make check payable to Vic Clark Chapter, QCWA, mail this form and check to
James M. Wilcox, K4JAP, 3442 Surrey Ln, Falls Church, VA 22042

Pick up your function tickets at the Registration Desk. Mailed only upon request with SASE

QCWA Convention Coordinator
Wesley Randles, W4COW

1988 QCWA Convention Chairman
Jack Kelleher, W4ZC

Convention Co-Chairman
Elmer Jones, K4EUX

Convention Secretary
James Wilcox, K4JAP
3442 Surrey Ln, Falls Church, VA 22042

Convention Treasurer
Joe Btsfpstzj

Technical Program Chairman
Stuart Meyer, W2GHK

The Convention site, the McLean Hilton, offers rooms, single or double occupancy for \$59.00 plus taxes, from September 21 - 25, 1988. If you are interested in the more expensive "Towers" accommodations, inquire about rates, etc., of the Hotel via phone or letter. Cut out the hotel registration form at the right. Be sure to get it to the hotel by not later than September 2. Also, at least one days room rent (check or credit card) must accompany the registration form.

MAIL TO:

The McLean Hilton (Reservations)
7920 Jones Branch Drive
McLean, VA 22102

Be sure to mention "QCWA Convention" in any inquiry

Hotel Phone is 703 847 5000

Hotel will send acknowledgement and a map

ROOM RESERVATION CARD		
Name _____		
Company Name _____		
Address _____		Telephone _____
City _____	State _____	Zip Code _____
Arrival Date _____		Time _____
Departure Date _____		Time _____
Credit Card # _____		Expiration: _____
<input type="checkbox"/> Amex <input type="checkbox"/> Visa/MasterCard <input type="checkbox"/> Diners/Carte Blanche		
Rooms will be held until 6PM unless guaranteed with an accepted credit card. Check-in time is 2PM. Check-out time is 12NOON. Please circle accommodation requested.		
QUARTER CENTURY WIRELESS ASSN. September 21 - 25, 1988		
Please check desired room type: ____ Single-\$59 ____ Double-\$59		
CUT-OFF DATE: September 2, 1988		
If a range of rates is offered, and rate requested is not available, the next available rate will be assigned. Room charges are subject to Virginia State and Fairfax County taxes (currently 6.5%).		
Reservation requests should be received two weeks prior to arrival date to insure availability.		
The <i>Towers</i> is a private floor consisting of distinctive guest rooms and suites, featuring private lounge, concierge staff, and numerous special amenities.		
The <i>Towers</i>		
Single: _____	Double: _____	Suites: _____

ABBREVIATED MINUTES QCWA SPRING BOARD MEETING

IRVING, TX APRIL 8 - 9, 1988

All of the Board was in attendance at the meeting with the exception of Director Meyer. Also in attendance was the General Manager and three of the candidates for 1988.

The Treasurer reported on the 1987 final statement for the Corporation which also includes the budget figures for 1988.

President Leland Smith reported that working with this Board has been one of the highlights of his term of office. The visitation of Chapters and Hamfests has been at an all-time high this past year. A letter has been directed to all Chapters asking them to participate in the Sunday SSB net.

President Smith recommended that emphasis be placed on the Building Fund to provide for the future of QCWA. He mentioned modifications to the Budget to facilitate operations.

He also announced that the Officers of the QCWA Corporation spent two days prior to the Board meeting with the IRS in an audit and came away with several good suggestions for the Corporation.

A new Chapter was Chartered and approved by the Board. It is :

York County Pennsylvania Chapter #165

Awards were considered and approved by the Board for presentation at the annual meeting at McLean, Virginia this Fall.

Headquarters will subscribe to contracts for VISA, MASTERCARD and AMERICAN EXPRESS credit cards for handling membership dues and supplies from Headquarters.

A Nominating Committee was appointed and approved for the 1989 elections. The members are :

Joe Moskey, W1JMY, Chairman
Marv Ollendorf, W4HAH
Pat Stewart, W7GVC
Dave Willemin, AI8M

The FCC Liaison Committee was enlarged with the addition of Ted Heithecker, Gus Howard and Lew McCoy.

One minor change was made in the By-laws. In Article VII, Section 1 (e) we state that .."Each Chapter shall assess and collect dues and maintain a membership roster." The word "shall" as underlined was changed to "should" and the item was re-written as follows:

"Each Chapter should assess and collect dues and shall maintain a membership roster."

The number of Manuals for the organization was examined and the RULES book used by the Board was eliminated since it duplicated the Director's Book, which is renamed the "Director's Guide". The Convention Manual was also renamed "How to Host a QCWA Convention"

A new policy was adopted to limit term of office for the President and Vice President to two terms. This abrogates a previous policy statement regarding term of office.

The Publicity Committee developed a number of items during this past year one of which was new descriptive material on the back of the new application for membership.

Some continuing information was received on the 40th Anniversary Yearbook which is still not complete but should be well designed by the last of June 1988.

No change is contemplated at this time in domestic dues as it is not warranted. Likewise the Board again examined districting of Directors and reiterated the previous stand that it does not solve anything.

A previous decision with regard to sponsoring a DXpedition was again examined and, once again, the Board felt that this was not in the best interests of QCWA because of legal and other problems.

A formal request to acknowledge an organization called CONEX within the QCWA organization was rejected by the Board as not being necessary as several similar organizations operated very well on an informal basis.

The contractual amount of the DEMOS contract for management of QCWA was increased by \$500 per month, not having been adjusted for several years.

The Board approved motel accommodations for up to three nights for all of the Board members at the Spring meetings.

A suggestion that we again solicit Life Members who paid a smaller amount for their membership was examined again and unanimously rejected.

An Ad Hoc committee was established to be called the Headquarters Office Equipment Committee for the purpose of studying the need for additional and replacement office equipment.

Jim Walsh, W7LVN

QCWA MEMBERSHIP DUES SCHEDULE

Effective 2/15/86

Term of Membership	U S Members	International Members	Family Members
1 Year	\$12.00	-	-
2 Years	\$20.00	-	-
3 Years	\$25.00	\$10.00	\$10.00
Life	\$125.00	\$50.00	\$50.00
LTP*	\$135.00 (3 @ \$45)	\$60.00 (3 @ \$20)	\$60.00 (3 @ \$20)

*If Life Time Pay program is not completed in one year all funds received are used to extend regular membership at the 3-year term rate.

NEW MEMBERS ARE REQUIRED TO PAY A ONE-TIME CHARGE OF \$3 AS AN INITIATION FEE, IN ADDITION TO THE SCHEDULE ABOVE.

MEMBERSHIP FEES MUST BE PAYABLE IN U.S. FUNDS ONLY!

EDITOR'S MAILBAG

"ROTTEN" ADMINISTRATIVE PROCEDURE

Shades of "Thoe Old Man" things seem to be going from bad to unreasonable! It's enough to make a fellow want to kick the cat, but he's too smart, crawled under the stove where you can't kick him or even plaster him with a good chaw of terbacca.....! The past few weeks have witnessed an action by the Federal Communications Commission (FCC) essentially without precedent, which carries us far down the road to complete destruction of decades old policies of fairness in considering allocation of electromagnetic spectrum. The action taken by the FCC in its recent acceptance of a filing in General Docket 87-14 by United Parcel Service (UPS) has dismayed many of us who having witnessed recent FCC actions tending to stray away from traditional legal guidelines, find the Commission's acceptance of the UPS proposal, six months past the deadline for filing such proposals, a substantial indication that considerations other than those established by tradition and precedent are more and more used to rationalize decisions by the FCC.

As most of you know, Docket 87-14 filings were terminated in July, 1987. Many interested Parties filed comments in a timely fashion in strict accordance with FCC requirements. It now seems that if you are big enough, and have enough money (9 billion dollars) that the rules no longer apply. UPS filed a proposal six months late, the Commission accepted it, indicating that new information was being submitted which was needed to insure fairness to all in making a decision in the Docket proposal. A very close inspection of the UPS proposal clearly shows that no new information was filed with, perhaps the exception of the UPS need for "Clear Spectrum Allocation" which would permit a subsidiary of the Company to develop a nation-wide telecommunications system designed to facilitate UPS delivery of packages. It seems that one of UPS competitors has some sort of system and UPS doesn't. The UPS proposal requests that the FCC assign virgin spectrum space so that UPS can experimentally develop a new system, using Amplitude Compandered Sideband equipment, narrow channel. The virgin spectrum space would be extracted from the Radio Amateurs who, UPS infers, operate as a bunch of children, and whose activities are "low priority." UPS states that the amateur activities can easily be transferred to some other frequency range. You got 9 billion bucks you can hire an attorney to say such things. The unbelievable part is simply that the FCC, on advise of the Office of Science and Technology, is giving serious consideration to the UPS proposal. A number of "experts" have indicated that we "hams" are after all, expendable. We hear promises that if we don't fuss about the Commission awarding 220 - 222 MHz to UPS, the FCC might assign 222-225 MHz exclusively to us. Let us look at promises of Uncle Sam..... I have several Gold Certificates (remaining from a collection begun in the late 1920's) and several Silver Certificates which were in circulation until LBJ eliminated them.....they say in essence, "This certifies that there is on deposit in the Treasury of the United States of America One Dollar in Silver (or gold) payable to the bearer on demand." That was a solemn promise by the Government which later it found to be burdensome, so it simply said "whoops, we didn't really mean it". Could you honestly believe a promise by the FCC of exclusive use of 222 - 225 MHz, or any other portion of spectrum would be honored when and if "Federal Package Delivery or, U. S. Fertilizer Service" accumulate 9 billion bucks, a smart lawyer and approach the FCC with a plan "in the Public Interest" that needs that new Exclusive Amateur band 222 - 225 MHz?

At one time amateur radio was allocated everything from 1500 kHz to infra-red.....now, 69 years later we have lost essentially all of it to Land Mobile, the Military, to Broadcasters, etc., and each year sees new demands by wealthy proponents who see what spectrum space we have as "low priority" non-essential use. Do you believe this trend will end if we, just this one time, roll over and play dead, giving UPS the 220 - 222 MHz portion of our 2-meter band? If so, then you believe in the tooth-fairy. It is my candid belief that we amateurs must fight the only way we can ---- by deluging our representatives in Congress, and the FCC too, with letters, telegrams and telephone calls stating in FAIR, CLEAR words that snipping bits and pieces of our allocated spectrum must stop, not next year, but today! Don't leave it to Jim, Bill or Henry ---- You and you alone can win this battle, and preserve our spectrum for use in the public interest, not the interests of private industry. Write your congressman today! Bury him/her with letters, telegrams and whatever. That is the only protest of this "steal" that we can hope the FCC will hear.

NOTE: This editorial contains opinions of the Editor - they do not in the least necessarily reflect the views of QCWA Inc., its Officers or Board members, nor of membership as a whole.

QCWA BUILDING FUND

Phillip D. Stern, WA4ZVO

3800 21st Ave N, St Petersburg, FL 33713

It is time our Chapters of QCWA celebrated our 40th Anniversary by dedicating our joint efforts to raise money for the Building Fund so that one day, hopefully in the not too distant future, a handsome National Headquarters building will be a reality. It may include a Museum exhibiting the crude wireless gear of yesteryear with which we had our initial entrance into amateur radio, and for so many, into electronics as a future career. Remember those inspiring days when DX meant from 10 to 25 miles? From those humble beginnings we have come a long way to today's sophisticated "wireless apparatus". Along the way, thousands of ham "tinkerers" made important advances in electronics. However, the thrill of radio communication is still there and our ranks of amateurs keeps growing. One day, many of those who recently entered our hobby will become members of the Quarter Century Wireless Association, Inc., and assuredly, they'll also talk about the "good old days" when they meet at future Conventions.

Enclosed please find my check for \$100.00 for the Building Fund. I sincerely hope others will make their contributions to both the Memorial Fund and the Building Fund. I suggest that a Committee of persons with the necessary backgrounds be organized to seek major gifts from endowments, bequests and other sources. Major gift-givers' names should be prominently displayed on various components of the National Headquarters Building. Everybody who makes possible a brick in the structure should be commended too for bringing the structure to a reality.

Editors Note: The project outlined above was part of a letter written by Phillip. Phil consented to our sharing his words with you! Write him your comments at the address above.

WORLD ADMINISTRATIVE RADIO CONFERENCE

Jim Gundry, W4JM

2908 Forestgreen Dr S, Lakeland, FL 33811

QST calls attention to the need for planning to protect amateur interests at the next World Administrative Radio Conference. We should all get behind the effort the ARRL will be making.

Our prize forty-meter band is devastated by the broadcasting interests including ingress into 7000 - 7100 kHz which is allocated to amateurs exclusively world-wide. To enhance our presence on 40 prior to the next WARC I think re-allocation would encourage more use, especially at night. I offer the following as a suggestion:

7000 - 7075 kHz	CW modes	General Class and up
7075 - 7100 kHz	phone	Advanced and General Classes
7100 - 7150 kHz	CW modes	General Class and up
7150 - 7175 kHz	CW modes	Novice Class & up, 200 W limit
7175 - 7300 kHz	phone	General Class and up

In the interests of maximizing occupancy by U.S. amateurs, I think Extra Class could give up exclusive segments on 40 meters.

I'd like also to suggest changes to the 10 mHz band. Careful monitoring indicates that only the lowest 20 kHz are very active. I'm recommending:

10100 - 10120 kHz	CW modes	General Class and up
10120 - 10150 kHz	phone	General Class and up

If phone is precluded on 10 mHz, I suggest Novices be allowed CW on 10120 - 10150 kHz. If this is done the Novice provision on 40 meters might be eliminated, thus enabling full power operation on all of 40 meters by the other Classes.

Let's give these suggestions serious thought and express our opinions to QCWA and ARRL Directors.

/s/ Jim Gundry, W4JM

Every Southerner worth his salt is secretly convinced that Pinto Beans may yet save the World!

MICROBANDWIDTH REVISITED

Thomas W. Webb, W4YOK
3533 Teakwood Ln, Plano, TX 75075

Editors Note: Recent issues of The QCWA Journal featured letters from Thomas, W4YOK and a reply written by Wayne Green, W2NSD. The following is a follow-up sent in by W4YOK.

Wayne Green, in his letter (Winter, 1987 QCWA Journal) suggested that we can expand occupancy of our frequencies seven-hundred fold. A development made several years ago by K2EN, was mentioned as one route to achieve that end. It sounded like a lot of smoke blowing to me, but I'm not an expert on Information Theory, so I wrote to K2EN, Dr. John Costas, and asked him to comment on Green's hypothesis. The letter by Dr. Costas follows:

January 13, 1988

Dear Tom:

I read your letter of 12/27/87 with great interest and was also very much amused by Wayne Green's comments. Wayne has either forgotten what the fuss was all about 30 some years ago or else he is trying to stir up some action to improve things, which is certainly commendable.

Tom, there is no free lunch. If you manage somehow to get voice into very narrow bandwidths, there are several prices you must pay. There is equipment cost and the sensitivity to multipath and fading and all manner of other practical problems. However the real hooker comes from the very high (and I mean VERY HIGH) signal to interference ratios that must be maintained to permit bandwidth-compressed systems to work. Even the slightest noise or QRM will kill these systems. So in a ham or combat military environment there is no hope for such approaches. Sometimes, Tom, there is no expensive lunch either.

The computer people, for example, are well aware of the tradeoffs between upping the data rate in a channel of fixed bandwidth and the quality of the channel. These fellows use complex adaptive equalizers to keep the channel transient response under control and they don't even think about QRM--they won't even tolerate much noise. Given a controlled environment and the willingness to spend real bucks on terminals, something can be done. But there is a price to be paid and the pros are well aware of this.

People also speak carelessly sometimes about removing the redundancy in human speech. God put that redundancy there for a lot of good reasons--our human voice communication systems work well under a wide variety of hostile conditions. When we take the redundancy out (usually to reduce voice bandwidth) we suddenly find out what it was put there for in the first place!

/s/ Dr. John P. Costas, K2EN
President,
COGENT SYSTEMS, INC
W9IFU, W1SCX, W2CRR

Ted, I hope this puts all of this to bed once and for all!

Tom, W4YOK

OTHER AVOCATIONS and.....FUN THINGS TO DO

Barney Moffatt, W5CJZ
5714 Trail Meadow Dr., Dallas, TX 75230

In January, 1980, Rollie Terrill, W5RC, now a Silent Key, but then President of Dallas Chapter of QCWA and Assistant General Manager of QCWA, Inc, invited a representative of the Dallas Taping for the Blind, to give us a talk on what their agency was and what it did. Essentially, the presentation was as follows:

Dallas Taping for the Blind is a volunteer organization dedicated to the conversion of the printed word to audio form for the blind and print handicapped. Dallas Taping is a United Way agency and receives the bulk of its operating expenses from United Way. The balance of its operating expenses and all of its capital expenses come from private contributions. The agency has two programs: a National Program and a Local Services Program.

The National Program involves an association with the Talking Book Program of the Library of Congress in which Dallas Taping is a reading agency for the Talking Book Program. Books are assigned to this agency, recorded on open reels, returned to Washington, where the reels are transferred to cassettes and distributed to the network of State and Regional Libraries and made available by them to the blind and print handicapped. Local volunteers read the assigned books with the assistance of a monitor and a reviewer to insure the work is accurately read and interpreted. Narrators must audition and be accepted by the Library of Congress. Monitors and reviewers are trained at the Dallas Taping studios.

The goal of the Local Services Program is to convert to cassette any printed material, except the category of works done in the Talking Book Program, that any blind or print handicapped individual requests. This encompasses textbooks for dyslexic, learning disabled and reading disabled students from kindergarten through college, as well as work-related and other printed materials. Material to be read must be supplied to the agency by the individual making the request.

The cassettes used are standard two-track that can be played on any cassette player. Cassettes are issued at no charge, although a small deposit is requested that is refunded when cassettes are returned. Cassettes may be kept for whatever length of time the need requires. Over the years a library of master tapes has been developed so that many textbooks are readily available for conversion to cassettes.

Volunteers for this program include narrators and technicians. Local auditions are required for reading positions. Volunteers are trained at the studio

At the March 31, 1980 meeting, Dallas Chapter 41, voted to support and participate in this activity as a Living Memorial dedicated to our Silent Key Members. Rollie Terrill, W5RC; John Mitchel, KB5HN; Walt Widerhold, W5OGZ; Barney Moffatt, W5CJZ; Bob Olnev, N5NT; Tom Gilbertson, WD4BFO and Charles Cook, N5AGC all became active participants in the program.

*Now a Silent Key.

EDITORS NOTE: The above named QCWA members have given thousands of hours of their time to this effort. In addition, Dallas Chapter further supports the Memorial Scholarship Fund, having contributed nearly a thousand dollars over the years, in memory of its Silent Key members.

LIVELY DISCUSSION PRESCRIBED!

Jim Wilcox, K4JAP
3442 Surrey Ln, Falls Church, VA 22042

.....Regarding the letters from Wayne Green and the negative comments about them; I cast my vote for Wayne and guarantee you that I'll read whatever he writes, whether I agree with it or not. (and as time goes on I agree with him much more often). What virtually all of those who write apposing Wayne don't seem to comprehend is the difference between griping and telling the truth. What I hear from Wayne is the truth being shoved in front of us; what I hear from most of those who oppose Wayne is griping.

So, how about it, your Wayne-haters, are you just griping? Are your hot air or are you willing to match your contributions up against Wayne's? I doubt it. Keep writing, Wayne!

Well, Ted, I didn't start out to write about Wayne but surely have declared myself! I even ask that you print what I've written. Maybe it'll revive and reactivate some of the dead or near-dead brain cells which appear to be prevalent with some of those at the top of 75 m! Nothing like a little controversy to get the body's system functioning again.

THIS ISSUE OF THE JOURNAL HAS INFORMATION ON ALL CANDIDATES FOR OFFICE IN THE SUMMER ELECTION. SAVE IT SO THAT YOU MAY CAST YOUR VOTE FOR THE BEST NOMINEE! BALLOTS WILL BE MAILED LATE IN MAY, 1988!

Early in 1986 I began looking into what might be involved in producing cassette tapes of the QCWA Journal prepared and furnished to QCWA sight-impaired members. All roads lead to one person - George "Kel" Hickin, W4GH. On January 20 I wrote to Kel and just a few days later received a nice letter from him saying he would be glad to prepare our tapes and sent all the necessary particulars. He suggested that Tom Carten, K1PZU, would probably be glad to do our reading as he was already doing the reading for all other tapes Kel was preparing.

A report of my findings was prepared and put before the Board of Directors for their consideration. The plan was approved and steps were taken to get the plan into operation. It was almost a year later, in the spring of 1987 that the taping operation actually came into being.

Before it was time for our first taping project to be completed, Kel had a stroke. It was very difficult for him to do any writing and his speech was affected to the point that he could no longer use the telephone. Even with his difficulties, his dedication to the welfare of the Blind and the satisfaction he received from producing the hundreds of tapes made it impossible for him to give up. He produced the Spring, Summer and Fall issues of the Journal, on tape.

Shortly before the Winter, 1987 Journal went to press, Kel was victim of another stroke, making it impossible for him to carry on any longer. All of his equipment, records, blank tapes, etc., were sent to Tom Carten, K1PZU, who had agreed to take over Kel's work along with his own part of the project of doing all of the reading.

We were all saddened to learn that Kel became a Silent Key on February 13, 1988. In his retirement Kel's dedication to his work with tapes for the Blind was his hobby and brought him a great deal of pleasure.

Blanche Randles, W4GXZ;
QCWA Taping Coordinator



NEWS RELEASE

FOR IMMEDIATE RELEASE

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to award thirty-one (31) scholarships for the academic year 1988-89 to assist licensed Radio Amateurs. The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds four of these scholarships with the income from grants and its annual Hamfest. It administers without cost to the donors, seven (7) scholarships for the Quarter Century Wireless Association, three (3) for the Baltimore (MD) Amateur Radio Club, two (2) each for the Dade (FL) Radio Club, the Department of State Amateur Radio Club, the Amateur Radio News Service, the 10-10 International Net, the Radio Club of America and the West Allis Radio Amateur Club of Milwaukee and one (1) each for the Richard G. Chichester Memorial, the Young Ladies' Radio League, the Columbia (MD) Amateur Radio Association, the Frederick (MD) Amateur Radio Club and the Vienna (VA) Wireless Society.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled or have been accepted for enrollment at an accredited university, college or technical school. Some of the scholarships require the holding of at least an FCC GENERAL Class license or equivalent. The awards range from \$500 to \$2000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Additional information and an application form can be requested by letter or QSL card, postmarked prior to May 31, 1988 from:

F A R Scholarships
6903 Rhode Island Avenue
College Park, MD 20740

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

MEMORIES OF LONG AGO

W5EJ

We have just been advised of the death of Benjamin Frank Borsody, K4EC. Frank as he was familiarly known, was an early-day ham, one of those fortunate to have been a part of the membership of the Flatbush Amateur Radio Transmitting Society (FARTS). In recent years he had become a prolific writer as he recalled many of the adventures he lived in his remarkably active life. In those early days (1920's and early 30's) the Flatbush Club boasted as members, nearly every amateur who, as time passed, became the shakers and movers in electronic communications. Among those who enjoyed the fellowship of the young men who were Flatbush members was Norwood E. Bradshaw, W2ELN. Brad passed away in 1983. I had written to Frank telling him of Brad's death. The following vignette was contained in a letter to me dated February 13, 1984. Many of you may enjoy reading Frank's words.

"Dear Ted: I'm enclosing a little story, one I never wrote up before, sort of to clarify it in my mind and, rather than recopy it, since it turned out fairly readable, thought I'd send it to you.

Yes, I remember Norwood Evelyn Bradshaw! And too late, remember something he used to say, which we 'New York Style Wise-guys' used to deride behind his back, but it turns out he was right, and we all were wrong!

Brad (W2ELN, 'Every Last Nickel') used to maintain that everything cooked in aluminum container was tainted. The way he put, eating such food was 'Slow Suicide!'

Well, the laugh, about sixty years too late, was on we wise guys! I recently read a very authoritative medical researchers report that aluminum does taint food, and that aluminum could be stored up in a person's brain, with dire results! Too late for me, Hi. Maybe that's why I feel a bit lightheaded when, at some cocktail party, I have more than my usual limit of Vodka-Collinses!...So, Brad, perhaps up in that great big Shack in the sky, 'I apologize, and admit you were right.' However, I was never one of those who joked about Brad. He really was quite a philosopher, and popular with the ladies too.

Only one miscellaneous bit of info: Do you know why RCAC transoceanic operators who got their jobs at Broad Street before 1926, were allowed four weeks vacation, which was cut down for operators who got there after 1926? Well, the left-over personnel from the old British Marconi Company, which became RCA after WW-I, received an extra two weeks vacation in addition to their two-weeks vacation because it was assumed they would spend their two weeks back in good old England, and needed an extra week to go there by ship, and another week to return.

We American transoceanic radio operators put in a claim for an extra two weeks vacation, and said we considered the extra two weeks the ex-Britishers got was a vacation, sailing

on a passenger ship! And, unexpectedly to us, RCA Communications granted it to us. So the ten years I worked for RCAC I was getting four weeks vacation which, with always a weekend either fore or aft, or perhaps fore and aft, was a good month. We kept on getting that gravy as long as we worked for RCAC.

Incidentally this hasn't been my best typing because during Christmas/New Years vacation up in Michigan, I broke my right arm. Second day up there I went out to the mailbox to get the morning Detroit paper. That new-fallen snow looked so innocent! I didn't know of the inch-thick ice under it, slipped and fell. Well, everyone said, and I thought so too, 'if you can move your fingers, it ain't broken.' Two weeks later when I got back home here in Florida, it wasn't getting any better, so I went to the hospital and found out 'it ain't so!' The Doctor said, 'the bad news is it is broken, in two places. The good news is that the bones don't need setting, they're still in place.' The cast has been on almost seven weeks, and is due to come off in two more weeks. I'm really thankful that the fall wasn't worse, it could've been my head, Hi. About my typing, the cast leaves me with only one finger usable on my right hand. That cramps my touch-typing style".

Thanks for you season's good wishes. Now 73 and belated seasons greetings to you for 1984, Ted.

Frank

A SUGGESTION FOR 'ENHANCING' QCWA MEMBERSHIP

Joel I. Kandel, K14T
5463 South West 92nd Avenue, Miami, FL 33165

The body of QCWA membership represents a vast, untapped resource. Centuries of stored up radio knowledge and operating experience is lying fallow while the present generation of school-age youngsters are not lured to our hobby. Too often a local QCWA chapter meeting degenerates into a "remember when" session rather than a "what if we" session.

It is very easy to live in the past, recounting simpler days of the hobby where an "Elmer" lived in the house next door in a small mid-west town, and where it was easy to knock on his door and have him help a youngster learn code or radio theory. Generations socialized with one another more easily then when America still lived in large extended family groups.

Today is different. Younger generation doesn't meet older generation as easily, and children are hard put to communicate adequately with their own parents. Finding an Elmer two generations removed is a next to impossible task if left to the devices of a youngster, and an Elmer in search of a pupil can have an equally difficult time of seeking out and helping a young budding ham.

FINDING AN ELMER TWO GENERATIONS REMOVED IS A NEXT TO IMPOSSIBLE TASK IF LEFT TO THE DEVICES OF A YOUNGSTER.....

Fortunately our country's formal education structure still stands, perhaps more battered and diluted than it used to be. Nevertheless, kids still spend on the average of 35 hours a week in a school environment. I know QCWA folk who spend almost that eating with one lunch group or another, recounting the "good old days," and in the end accomplishing little more than the passing of time.

How much effort would it take for local QCWA chapters to try and meet the younger generation in the schools? Suppose one day a week, every local QCWA Chapter visited a school for an hour or two and demonstrated amateur radio to the students? Suppose that demonstration grew into a class for the novice license, with the QCWA Chapter donating a couple of code oscillators and a working amateur station?

We all know how much old yet salvageable equipment there is lying around in cellars, garages, and attics: equipment that could open the world of amateur radio to a classroom of kids. For those of us who worry about finances, that equipment becomes tax deductible once donated to a school.

There is nothing wrong with reminiscing about the past, but for the sake of the hobby, do it to a bunch of school kids, not to one another. Besides, we've all heard those stories before anyhow. At your next Chapter meeting, arrange to contact your local school department or principal and volunteer a few hours each week to teach amateur radio to a the kids. The ARRL Club and Training Department will help you with all sorts of materials. Best of all, you'll relive the wonder of an Elmer/student relationship by sowing the seeds of the future.

EDITORS COMMENT: The letter above at once solves the problems of a program to hold the interest of members. Who will be the first Chapter to inaugurate such a program? Giving your most precious asset, your time to young people, could be one of the great experiences of you life!

RESEARCHING DSB/SYNCHRONOUS DETECTION

Wayne W. Cooper, AG4R
9302 NW 2nd PL, Miami Shores, FL 33150-2266

To the Editor:

The point that Wayne Green made in the Winter QCWA JOURNAL about DSB and synchronous detection interested me enough to do some research. I looked up John P. Costas, K2EN (ex W2CRR) of General Electric papers on the subject in the IRE Proceedings for December, 1956 and April, 1957. Also his and others writings in the 1957 issue of CQ magazine (editor, W2NSD).

This was an interesting and effective system at the time. I could find only a brief reference in the new book "Single-Sideband Systems and Circuits". I am wondering if there is any modern day data and use of DSB and synchronous detection? Also solid-state circuit design? This detector is of the phasing type that can be switched for SSB, DSB, AM, CW, etc. with no crystal filters required.

Editors Note: See the story, MICROBANDWIDTH REVISITED, by Thomas Webb, W4YOK, and the John Costas letter associated with it, in this issue of the Journal!

IS THE AIR FORCE BUILDING A WOODPECKER RADAR?

It is no secret to the residents of North Dakota, South Dakota and Minnesota that the United States Air Force is trying to build a super-sophisticated radar in their midst. Using antennas towering 135-feet or more above the prairies and extending more than one mile in length. This radar will pump megawatts of power in the HF bands between 5.0 and 28 MHz. Active QCWA amateurs should acquaint themselves with this radar and understand why the project has been stalled.

NJOB, who publishes an information newsletter about this radar says: "This radar is the Central sector of an Over-the-Horizon Backscatter system. It uses modern techniques in which the transmitter must be separated from the receiver by nearly two-hundred miles. Signals are bounced off the ionosphere enabling the radar operators to look around the curvature of the earth for hostile bombers and missiles approaching the United States."

Good news for the amateurs. This Central Sector Radar has been placed on the back burner because of defense spending cuts. This is the most recent reason for the project's delay. In the recent past, residents in the north central states have opposed the radar. Farmers have not been convinced that thousands of acres of rich farmland is required for each site. Environmentalists have raised the issue of these sites eventually becoming dumps for nuclear waste. Now, NJOB says: "election year politics, including reduction in defense spending, have crippled the project. It'll be up to the next administration to get it going again."

The Air Force does not yet hold the land on which to build the transmitter or receiver. The legal process of acquiring land must be completed before any construction begins. Although not certain, farmland east of Hecla, SD is being sought for the transmitter, while farmland near Thief River Falls, MN is being sought for the receiver. So, before antennas are erected, the sites must be fixed and the land must be purchased. All this antenna work plus all the road and building construction will take a year or more to complete once it gets underway.

When would construction start? Kevin Gilmartin, a public relations specialist for the Air Force, said: "It looks like it will be 1990 before anything gets under way out there (meaning the Dakotas and Minnesota)," Gilmartin was speaking at a January 27th press conference at Hanscom AFB, MA. He added: "It looks like this radar has been put on the back burner." Did the Air Force change its attitude about getting this radar on the air? To this, Gilmartin responded: "I think what they've decided is not to request funds and begin construction in 1990 instead of 1988. There's no rush to get it out now, it seems."

The most common questions asked about the proposed radar are: 'why does the Air Force have to use the HF bands for this operation?'.....and, 'will this radar sound like the Russian Woodpecker?' These and other questions will be dealt with in the March issue of Keith's Newsletter, due out in March.

Editors Note: If you are interested in following the progress of this project, you can obtain a copy of the March issue of the newsletter being prepared by Keith. Send a dollar for postage and handling to QCWA member, Keith Seaver, NJOB, Box 241, Portland, ND 58274.

CORRECTION!

The Winter, 1987 QCWA Journal listed two Silent Key members incorrectly. Howard L. Eitelbach, W2CHZ was incorrectly given the call W2CNZ. Carl J. Partlow, W7EEN was incorrectly given the call W8EEN. We apologize for the unintentional error.

FCC COMMISSIONER ELIGIBILITY REQUIREMENT SUGGESTED

Arthur C. Winter, W2ADB
1125 Clapper Ct, Mt. Pleasant, SC 29464

In reference to the letter from Gus Howard, W5KM, on the subject of "The Dismantling of Non-Commercial Radio" I have the following suggestions to offer.

It is my recollection that about 30 or 35 years ago all of the FCC Commissioners in a group paid a visit to the ARRL Headquarters on a given day. The purpose of the meeting was for them to become more familiar with all phases of amateur radio. At the conclusion of the meeting the Chairman issued a statement to the nationwide press in which he stated that "AMATEUR RADIO IS THE WORLD'S LARGEST RESEARCH LABORATORY." He went on to explain in glowing terms the benefits that were and are being obtained by this valued resource.

I suggest that a QCWA Committee be set up in conjunction with the ARRL to fully publicize that event and continue to repeat it over and over forever. I suggest that it be called the WHOS WHO AND WHATS WHAT COMMITTEE. The Committee should set up a publication for the past, present and future events, naming WHOS WHO in amateur radio, not so much for what they have done for amateur radio, but what they have done for the world at large. The emphasis should be on scientific, engineering, cultural and humanitarian achievements resulting from amateur radio. It could be a yearly publication called WHOS WHO AND WHATS WHAT. It could also include events that are not necessarily attributable to any specific persons. Worldwide circulation of this publication would establish the importance of amateur radio.

I remember an ARRL meeting (about 300 attended) in the Whitehall Building in New York City around 1926 or 1927, when Army and Navy officers spoke to us hams, pointing out two things. One was that they needed the hams to keep the bands occupied so that they would be available to the Military in times of emergency instead of being cluttered up with commercial stations worldwide. Secondly, they needed and would continue to need a reserve pool of people skilled in the technical and operating field of communications. Now the Military needs more than communications experts. They also need all phases of electronics scientists and engineers most of whom come from the ranks of amateur radio.

Possibly some of our QCWA and ARRL members could find that article by the FCC Chairman in an old issue of QST and use it as a starting point.

My second suggestion is: There should be a law passed that would state that all future FCC Commissioners should be, or have been, a licensed amateur radio operator for a period of five years with the grade of GENERAL or higher class of license as a requirement for that position. That requirement would give them a better perspective for their work. With all of the hams we have in the USA, somebody should be able to get such a law enacted. Recently newspapers reported that there are presently three vacancies for FCC Commissioners.

FURTHER NOTES ON EDWIN H. ARMSTRONG

Dave Gilmour, VE7YG
1150 Comox St, Vancouver, BC - Canada V6B 1K5

Regarding Major Edwin H. Armstrong, I agree with K6WX. Armstrong has been sadly ignored. In the December, 1943 issue of Radio Craft (p 159) under the title "Radio Lives by Trial and Error" is a report of an address by Major Armstrong to the directors of FM Broadcasters, Inc. A series of mistakes, chiefly in wavelength allocation, took place during the history of radio, most simply because those who did the allocating thought that they knew all there was to be known about radio. The classic example was the allocation that gave all the wavelengths below 200 metres to the radio amateurs. The amateurs did a rather neat job of proving that those wavelengths the experts thought worthless were really a most valuable part of the ether. Armstrong pointed out that legislating fundamental approaches must be sufficiently flexible for correction of errors which would permit future developments without destroying existing systems.

In a letter to the Editor of Wireless World, January, 1954, responding to an article on early spark days and the use of the deForest

triode, Armstrong wrote, "The lesson is clear - anyone of us with a voltmeter and a potential divider to apply known voltages to the grid of a triode together with a galvanometer to measure the changes in the triode's plate current, could have started unravelling the 'Audions' mysteries long before we did this very thing - if we had not known too many things proven later not to be true.. The present generation is learning the same lesson over again with the advent of the transistor."

"Man of High Fidelity", by Lawrence Lessing, was published in hardcover by Lippencot & Co., in 1956, and in paperback in 1969, by Bantam Books. Both are now "out of print". You will have to visit the local library or used book-shop to find a copy...it is well worth reading. I consider the blatant pirating by BIG BUSINESS of small independents as one of the most serious white-collar crimes of the Western world. It is very sad to see how Edwin H. Armstrong and others, have been ground down and it still continues. In Britain, my grandfather was an inventor and used to tell us never to patent anything as the idea would just sit until the patent ran out before being produced on the market. So, folks in the USA need not feel that they are exclusive to this crime. Major Edwin H. Armstrong was a real contributor on the radio scene.

Samuel A. Gardner, N4MCW

1720 Virginia Court, Lakeland, FL 33803

To the Editor: Your editorial in the Winter 1987 edition of the QCWA Journal hit a responsive chord. You quoted the need expressed by Gus Howard, W5KM, in a letter to you, to consider a face-lifting for the tired appellation, "Amateur Radio Hams". I agree completely that the term is doing our field a disservice. The public at large, becoming immersed in computer technology or seeing inter-stellar flights on TV, is not impressed by the narrow horizons, unfortunately, conjured up by the image of "ham radio".

Realizing a new name is but one step. To convince aging "hams" to do something other than dwelling on their past achievements is quite another. I know from experience. I recently served for two years a president of a local radio club. My familiarity with the group, many of whom, like myself, are members of QCWA and retired, mirrors your concerns of our public image. "A bunch of old ducks who spend their time cussing everyone and everybody, as well as their ailments, and using frequencies which could be better used by Land Mobile, etc." may not be far off the target.

The membership of this club represents a wealth of electronic talent, albeit much of it 1940-1960, who appear quite content to have had electronic developments stay that way. The group meets once per month, to converse with each other, to talk of past HF glories and then to be entertained by a guest speaker. When asked to assume responsibility for a club function, the usual response is "I did that job thirty years ago. Find someone else."

Concerns for our waning public image must start at the radio club level. We must attract youngsters, hold classes, and demonstrate that electronics, of which communications is but a part, can have its start here. Visits to schools, talks by members at Girl and Boy Scout meetings, traffic handling with VHF repeaters, or packet digipeaters at civic events--races, air shows, hospitals, can reinforce the positive facet of "ham" radio. Unless teenagers can be persuaded to enter the field, the tradition of amateurs as a national pool of experienced radio operators, available on short notice in the event of emergency will be gone.

For a nom-de-plume for "Amateur Radio Hams", I suggest "Experimental Electronic Communicators". It's a mouthful, but, I think, covers what the hobby is all about. Most of all, I would like to see all us EEC's (pronounced "eeks") do more to encourage adolescents to enter the field and experience first hand the joy of world-wide communications and its potential value to the nation and to themselves.

On the page opposite you will note three QCWA items - all are good items for sale by QCWA. The Cap, still available sells for \$5.00 postpaid, the Alpha directory lists all QCWA members in the 1987 Directory by last name, cross-referencing name with call and, the Silent Key Memorial Roll is a list of all known Silent Key members as of date of publishing. These booklets sell for \$2.00 each, postpaid, order from HQ! →

EDITOR'S MAILBAG

Richard V. Schneider, W8AVB
1824 M. Vernon
Toledo, OH 43607

To the Editor: Your article in the Winter issue of QCWA is of great interest to me for several reasons.

I am an OOT, age 79 and received the call 8AVB in 1923 when I had a small spark coil transmitter and a crystal detector receiver. When spark was outlawed we young "hams" thought that the Department of Commerce was forcing the vacuum tube transmitter upon us!! What a far cry from this is the present state of the art.

During my high school and college years I had several CW traffic schedules per week and enjoyed this phase of "ham radio" greatly. The individualistic handwriting of the key has always appealed to me.

I soon learned that the hams, as a group, are by and large a charitable group. In fact, it has always been my contention that if all the people in the world were hams there would be no wars.

After graduating from medical school in 1934, I spent two years in the hospital as an intern and resident physician. While there I had an RK-20 rig. I soon found out that X-ray equipment and elevator motors caused terrific QRM on 20 and 40 meters. Then followed family practice for a few years, followed by a tour of duty in the U. S. Navy as a medical officer aboard ship in the Pacific with the Third Fleet.

Following the war came the DX craze. Naturally, I had to go through the rotary beam/kilowatt phase. This novelty wore off in a few years, and I became satisfied with 100 watts and wire antennas. Then QRPP work became the fashion and for eight years I enjoyed the real challenge of a tiny VFO 200 milliwatt 80 meter transmitter. At present I use an Omni D, or Kenwood TS 830 S to enjoy rag chewing with some of my OOT friends.

Where else is there a hobby that is ever present? It can be enjoyed any time of the day or night without traveling hundreds of miles. It is a hobby that can create life-long friendships and better understanding of humanity. There are many diversified interests within the scope of "ham radio". I guess we have come to the point of deleting the term "ham radio" for a more sophisticated nomenclature. As you inferred the word "amateur" gives a poor connotation. Would the general public understand the term radiophile? Fellow hams, what word should we adopt?

Before closing, I do want to say that we had better clean up our act before we can interest possible new members. Profanity must go as well as deliberate interference.

Wishing you and yours season's greetings, I remain, fraternally,

/s/ Doc, W8AVB (#568)

DON'T FORGET THE QCWA CAP!



QCWA

Quarter Century Wireless Association

ROLL OF SILENT KEY MEMBERS

HONORING THEIR MEMORY
THIS 10th ANNIVERSARY OF FOUNDING THE

QCWA MEMORIAL SCHOLARSHIP PROGRAM

1977 - 1987



Prepared in Connection with
The 40th Anniversary Celebration
OF THE QUARTER CENTURY WIRELESS ASSOCIATION, INC.
First Available at San Diego, California
October 30, 1987



QCWA

SUPPLEMENTAL

MEMBERSHIP DIRECTORY

Arranged

ALPHABETICALLY ON LAST NAME

JUNE, 1987*

Quarter Century Wireless Association
1409 COOPER DRIVE, IRVING, TX 75061-5527

BAR CODING: Automatic Identification

J. Jan Jellema, W8SWN PhD

Introduction

The automatic identification, or coding of products in our industrial society is a natural consequence of the application of computers. One finds computers now being used in business, industry and the home for data collection, information processing and control. The techniques used to enter information into the computer are many and include the keyboard, the digitizing tablet and the light pen. Entering data via the keyboard is both a tedious task and prone to errors (on the average a good typist makes about 1 mistake per 300 characters entered). It has been found that using some form of automatic identification that can be machine read provides less errors (typically 1 in 3,000,000) and consequently more flow through of information per unit of time.

In the industrial sector, with increasing emphasis on productivity, quality and traceability in consort with the trend to more flexible manufacturing techniques, the need to identify and track individual parts/assemblies has become paramount. Three types of automatic identification schemes have been developed to meet this need. They include: bar codes, the now familiar series of dark and light bars found on many products and packages; the optical character recognition system (OCR), used with the special square typescripts found printed on our bank-checks; and the magnetic stripe, like those found on the back of our credit cards. All of these have the advantage of increasing the speed and accuracy with which data may be entered into the computer. It is the linear bar type symbol that we shall consider in this paper.

Bar codes have nothing to do with either legal ethics or saloon behavior of the radio amateurs at the Dayton HAMVENTION. Bar codes have become one of the most effective and problem-free techniques to emerge in the last two decades to provide for rapid retrieval of information. Developed in the 1960's, the alternate stripes of white and black are easily converted to the appropriate binary digits (1 or 0) used by the computer. Probably the most widely used and most familiar form of bar code is the Universal Product Code (UPC) printed on foodstuffs, household goods and periodicals sold at super markets and convenience stores. It was the grocery industry's desire for more control of products and better inventory tracking that led to the adoption of the UPC in 1973. Point-of-sale terminals, or cash registers as many of us think of them still, are equipped to read the UPC label, provide a printed sales receipt for the customer and store information on the type and number of each item sold for the business, or store owner.

Distribution industries use a Uniform Container Symbol (UCS), to mark cartons, boxes and pallets; perhaps you notices it on the UPS package that recently arrived with the latest in ham radio equipment. The automobile industry adopted in 1982 two standard codes for use by suppliers and manufacturers in their material procurement system. Now, new government requirements are being implemented to use bar coding for the 176 character Vehicle Identification Number and the 14 character Vehicle Emission Information Number. (Molloy, 1987)

What is a Bar Code?

A group of parallel dark lines printed on a light background makes the typical bar code. Information is encoded by varying the width of the dark bars and the light spaces between them. Linear bar symbolism is based on the principle of Pulse Width Modulation (PWM), where a wide pulse is analogous to a binary 1 and a narrow pulse is converted to a binary 0. The bar code is made readable in that a light beam aimed at the bar pattern will be reflected more from the light than the dark areas. The width of the bar/space is determined by the amount of time the light is reflected as a bar-code is scanned.

How Can a Bar Code be read?

The device that does the reading of the code is known as a scanner. A light source within the scanner is focused into a narrow beam and aimed at the code-shaded areas. The reflected light is picked-up by a light sensitive device (diode/transistor) in the scanner, whose output is an analog waveform of the reflected light. Maximum output amplitude of the waveform will exist when the white spaces are scanned and minimum output will exist when the dark bars are scanned. (see Figure 1)

The information contained in the waveform is then converted into digital information by a decoder which assigns the value "1" for wide bars or spaces and the value "0" for narrow bars or spaces. The combination of the binary values is the basis for all the bar code symbols in use today. (ME Staff Report, April, 1983)

direction; system software reverse the improper format. To help in minimizing scanning errors an area that is clear and free of all printed matter is located on either end of the bar code label. (see Figure 2) Scanning speed depends upon the type of system being used, human operated or machine driven. A person can keep up with a material handling system operating at about 60 feet per minute (maximum). In contrast, a moving-beam scanner can read at speeds of 500 ft/min.; like bar-coded box cars traveling down the rail-road at high speed. (Nelson, 1982)

What are some applications Bar Code systems?

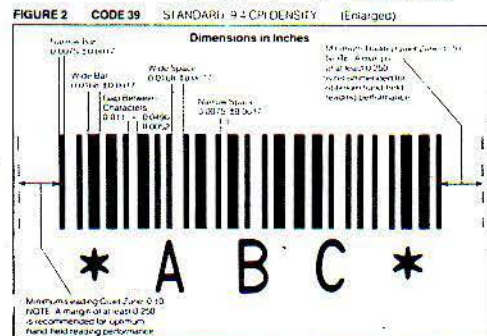
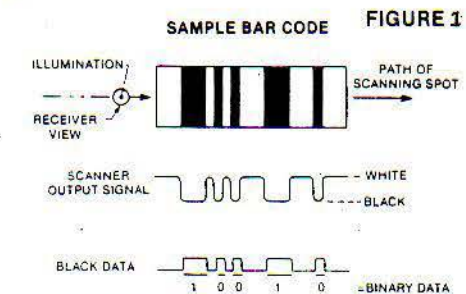
Almost any product, part, or package--including parts, circuit boards, sub-assemblies and complete radios can be coded. The bar code, when affixed to the part, product or package can describe where it came from, what needs to be done to it and where it is going. When the coded package passes by the appropriate reader, the device reads the code, translates it into meaningful information, and makes the data available to automation equipment; such as robots, controls for conveyors, and other material handling devices or systems.

Some typical applications are: production monitoring, for identification and counting; parts distribution, using automatic guided vehicles that read part ID and divert the vehicle to the appropriate work station; component assembly verification, component ID and assembly ID are cross checked for accuracy; and the product sorting, where automatic scanning, identification, tracking and diverting to sorting lanes occur. (Hill, 1984)

What is the future of Bar Coding?

As the practice of distributed control advances and the microprocessor based reader becomes commonplace the use of bar code technology can only advance. Sorting instructions, storage procedures, pick lists for individual orders and accumulation conveyors can all be handled by bar code readers. Downloading-uploading of this information to the main computers will assist in minimizing the errors along the way. (Klopper, 1984) It is the microprocessor (which made computing power cheap) and the bar code reader (which reads inexpensively printed labels) working together in an automatic identification system that help to improve efficiency, productivity and record keeping in our industrial society.

You may already have observed the use of bar coding at the grocery store, in blood banking, at financial institutions and possibly in your public library. Sometime soon now, one of the amateur radio equipment manufacturers will introduce a bar-code controlled transceiver. All you will have to do is point the scanner at a menu to select the frequency and mode of operation. Then you will be able to scan bar-coded-text that will be automatically converted to CW or speech. It should also be possible to assemble a packet-message with equal ease. As one of my students said last year about the supermarket application: "all those lines helps keep us out of all those lines, and that's a good enough reason to use bar coding".



(See Page 15)

Technical Notes

Editors Note: J. Jan Jellema, W8SWN, K1ND, 9M2JJ, Associate Professor at Eastern Michigan University, Ypsilanti, first licensed in 1954, extra class. Served as Peace Corps Volunteer in Malaysia. Jan instructs in a number of courses in the College of Technology with emphasis on industrial applications. A Charter Member of Pine Tree Chapter, is President of Michigan Chapter 10. AMSAT member. Planning Committee member. AMSAT-NA 1987 Space Symposium, 1987. Is married with five children, the youngest being twins, 10 years of age. It is hoped that Jan can be persuaded to make further contributions to the QCWA Journal.

RF INTERCEPTION, CAUSE, EFFECT & CURES, 1988 STYLE

Al Markwardt, W5PXH

First, Foremost and Forever more, let us diminish the words RF Interference and substitute - RF Interception - as it applies to our operation 1.8 MHz upward. "RF Interference" has its root meaning as with deliberateness or with forethought. "RF Interception means....OOPS, it's picking up an additional signal when it shouldn't.

Much more than 3 or 4 years ago, many of us in RF communications are being accused of causing RF Interference with, on or to: telephones, roll-back thermostats, video recorders/players, tape recorders, hearing aid devices, auto air conditioning controls, processor controlled fuel injection vehicles, shopping center CPU cash registers, micro-processed sewing machines, smoke detectors, guitar and stereo amplifiers, TV audio sections. RF Interference, NO WAY....a bulk of these are passive devices that JUST HAPPEN to be close to an RF transmitting source.

The consumers first thought or expression is, "It's OK till that transmitter comes on". To many amateurs this expression causes apprehension....but it shouldn't. When was the LAST TIME you heard of a police chief being threatened with his radio system being shut down because its transmissions were being picked up on a nearby audio 2-way intercom? WHEN WAS THE LAST TIME an irate neighbor put his fist in the face of an operating engineer of a nearby 50 kW AM station because it was drowning out the voices on his telephone?

These are the predominant causes....LITTLE OR NO CARE GIVEN by the manufacturers in providing RF shielding (both ways), decoupling, isolation, proper line or cable dress. LITTLE OR NO RF UNDERSTANDING by many MP engineers, TV/Radio repair technicians, stereo repair centers. More than that, when queried, national sales managers or even board chairmen express "RF Interception.... huuuhhh, what's that?".

The effects are spreading everyday, i.e., patients electronic life support systems at ICU areas are being disturbed by INTERCEPTING transmissions being made by nearby doctors RF paging systems. A 55 mph cruising fuel injection car STALLING OR FAILING on the jammed inner lane of an expressway by a passing intra city 18-wheeler truck using its VHF 30 watt transmitter. Home smoke detectors being activated by a silent running fire truck's UHF transmitter, during the black of night. Frightening isn't it?

Cures, Stop - kill - suppress....Articles being published in national trade journals stating that ANY decoupling or by-passing of leads in a stereo amplifier to prevent RFI will cause severe distortion and considerable loss of audio power....tsk....tsk....have the consumers USE THEIR warranty cards. When an RFI problem occurs on ANY of the above listed equipment, take the cards and gear back to the dealer. Tell him to make the warranty GOOD. The unit is getting 2 signals, YOU WANT ONLY ONE. Go to the dealer first, then to the manufacturer. Become an angry consumer/customer in '88. Be a buyer beware type. Consumers make SURE they take care of the problem NOT YOU.

Still in the cure vein....don't let us be swooned by the manufacturers saying, "It is not our fault", or "It will raise the price of each unit we make", if we are forced by law to put RF Interception or RF susceptibility devices on our equipment, units or components. Say to them...."It ain't necessarily so". Why should the manufacturers be forced by law. They should be resourceful enough to provide the technical support and parts to the field people on how and where to place a 66-cent or 12 for \$2.00 item in the proper place on the affected gear on a case-by-case basis. The consumer will feel that "his" case is being taken care of when it is one on one. What a good "PR" item that would be!

Remember...."Eliminate", don't use, put in the background RF Interference. In its place use - Frequently - Often - Many Times - RF INTERCEPTION.....Radio frequency interception or radio frequency susceptibility.

Bring this to the "foreground", "attention", "first of the Day" again, again and again to the manufacturer and the dealer of the numerous interception devices.

Your voice and input on a national/international basis will help too. Do it now. Do it in '88 pressing forward.

Editors Note: Al Markwardt, W5PXH, President of the Dallas Chapter of QCWA, is a consultant on directional antennas, has been employed in the communications business for many years, and has been named Technical Advisor to the American Radio Relay League in connection with RF Interception problems and Quad antenna systems. Al lives at 825 Sherbrook Drive, Richardson, Texas 75080

SUPPLEMENTAL LIST OF SILENT KEY MEMBERS (Not previously reported and SK before 1980)

W2PFY	ADAMS, THEODORE H	1965
W9EVA	AUSTIN, ROBERT P	1966
W1GS	BEEKLEY, F CHEYNEY	1953
W2DL	BERRY, JOHN S	1975
W3UGV	BOLLINGER, WALTER H	1965
K4SQV	BRAUTIGAM, HARRY G	1965
W1AMV	CUSHING, LEVI G	1965
WA4RXH	DAVIS, LEE P JR	1965
W8VM	DEEMER, RAYMOND E	1965
W2IM	FELSENHELD, JAMES D	1967
W7PZ	FIDLER, BENJAMIN C	1965
W2BUR	HAVILAND, ROBERT S	1965
W2IG	HAYES, FRANK X	1965
W3CXP	JOHNSON, LESLIE L JR	1965
W2BIQ	LEFOR, NICHOLAS	1965
W9IN	LEWIS, JOHN JR	1965
W4POB	LEYLAND, WALTER A	1965
W3HV	LLOYD, BLANCHARD F	1971
W2RWQ	MARSH, ALBERT	1971
W1TY	MOSS, DONALD E	1966
W1QI	MUNZER, WALTER J	1965
W1WJ	NEUMAN, HERBERT C	1966
W4OXI	PIERSON, WALTER R	1965
W3BH	RIGGS, DONALD E	1965
W2GYX	SCHNEIDER, PAUL O	1965
W2AQA	SINREICH, NATHAN	1966
W2AAD	SIPP, FREDERICK C	1965
W3IU	THACKERAY, SAMUEL J	1965
W8BKH	THEIS, C J	1971
W2EX	TRAFLET, FREDERICK E	1971
W2BKX	WIES, GEORGE A	1965
W3QVR	WISE, WILBERT H JR	1965
W6NMC	ZOBEL, MYRON	1967
W1EJ	MacINTYRE, PETER A	1965
W7AN	WILLIAMS, CHARLES EMORY	1960
K4HTE	PARSON, F BRUCE	1977
W2WRB	SULZMAN, FRANCIS MERRILL	1966
W8HUB	McNEEL, EVRON L	1977
W2BRR	BUZALSKI, THOMAS J	1976
W2COT	PARSONS, F B	1977
W4MO	BERRY, ROBERT C	1965
W6DVD	WALSH, PLUMMER R	1967

QCWA Published a compilation of all known Silent Key Members dated October 30, 1987. The list was titled "Roll of Silent Key Members" and was made available at the San Diego National meeting held during October, 1987. Since that time research has been continued in an effort to identify all QCWA Members who have become Silent Keys whether or not they were active members at the time of their death. The list above are those that have been identified. This Supplemental list plus the list of Silent Keys to be found on Page 16 of this issue of the QCWA Journal, may be used to bring the "Roll of Silent Key Members" up to date at this time. As added information becomes available added supplemental lists will be published in the Journal. Thanks are extended to Ralph Cabanillas, Jr., W6IL, who has spent untold hours working for QCWA on this project.

EDITOR'S MAILBAG

QCWA PRESIDENT LELAND SMITH, W5KL

NAMES NOMINATING COMMITTEE FOR 1989 ELECTION

In accordance with the By-Laws, President Leland Smith, W5KL, submitted his choice of members making up the 1989 Nominating Committee to the Board of Directors, at it's Irving meeting. The Board approved the following members who are charged with putting together a slate of candidates for election to ALL officer positions and to FIVE director positions to be filled in the summer, 1989 election. Those chosen and who have accepted the responsibility to serve are:

Joe Moskey, W1JMY - 49 Fairwood Farms Dr.,
West Hartford, CT 06107 (203 521 4567)
Marvin Ollendorf, W4HAH - 1655 Executive Park Ln,
Atlanta, GA 30329 (404 634 4673)
Dave Willemin, AI8M - 331 Courtland St.,
Elyria, OH 44035 (216 324 4574)
Pat Stewart, W7GVC - 1404 Ruth Ave,
Walla Walla, WA 99362 (509 525 1699)

The group is chaired by Joe Moskey, W1JMY.

Now is the time for you or your chapter to begin thinking of good men or women who would, if elected, serve on the Board. The most important thing to remember is to find highly qualified men or women who are willing to put forth their best effort on behalf of QCWA. QCWA needs the best each successful candidate can give. If you can come up with some potential candidates, write to any of the above listed Committee Members, provide information available, and the Committee will contact your proposed candidates to get added information which might be required before naming them as official candidates in the 1989 election.

QCWA Officers and Board members wish to thank the Committee for its willingness to take on this task. Their efforts on behalf of QCWA are appreciated.

THOUGHTS ON MEMORIAL SCHOLARSHIP AWARDS

Jim Blades, W0CLS
1303 East Hanson, Mitchell, SD 57301

As a high school counselor I see a large number of scholarships originated and distributed each year. Some are for as little as \$5.00 and some as large as \$10,000 renewable for four years. However, a few factors should be considered by groups presenting scholarships.

First, with the new tax laws, scholarships which are used to cover tuition and fees are tax free. Scholarships which cover room, board, books, and miscellaneous expenses are all taxable income for the student, thus many scholarships are really 80% or less of stated amount

Second, the student with financial need is going to be able to get assistance through the federal programs to some degree. For the sake of an example, suppose John gets a federal aid package of \$3,500. Now, QCWA gives John a 700-dollar scholarship. Immediately the federal aid package is reduced to \$2,800. If the aid package included a loan and the school financial aid officer is nice, the loan portion would be reduced and the gift aid that had been included in the package originally would remain the same. It is possible for the aid officer to keep the loan portion the same and reduce the gift portion. He would then reassign the unused gift aid to some other student. The effect of this is to give the QCWA aid to some other unknown student. The scholarship should be specified to be used for tuition and fees. As long as the total gift aid received by the student did not go over the cost of tuition and fees the taxes would not be assessed.

If the student is financially able to pay, thus eliminating his eligibility for a federal aid package, the QCWA scholarship would be a direct benefit selected. Again, it would be desirable to have the scholarship directed to tuition and fees to avoid taxation.

If need is considered in the selection of QCWA winners, the probability is high that other aids will be available to that person. In that case I would suggest that the scholarship be limited in size and more individuals assisted by the program. Especially, I would not want to see any
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QCWA EXPENSES & LIABILITIES

Through December 31, 1987

ACCOUNT No.	BUDGET 1987	ACTUAL 1987	BUDGET 1988
EXPENSES & LIABILITIES			
EXPENSES			
801 DEMOS Management Fee	\$ 18,600.00	18,600.00	18,600.00
805 QCWA News, Printing cost	16,000.00	14,120.00	16,000.00
810 QCWA News, Mailing cost	5,000.00	4,367.12	5,000.00
815 General Postage	4,500.00	3,190.74	4,500.00
820 Public Relations & Adv.	2,000.00	1,632.10	2,500.00
825 Gen. Mailing Service	2,000.00	2,438.87	2,500.00
826 Office Paper, Comp & copier	1,000.00	645.50	1,500.00
827 FCC Reports, ARRL Letter	150.00	214.50	200.00
COST OF SALES			
830 Pins, Buttons & Banners	3,000.00	4,448.68	3,000.00
835 Stamps & Decals	1,000.00	975.00	1,000.00
840 Office Exp. & Supplies	4,000.00	3,869.84	4,000.00
845 Telephone	600.00	749.43	600.00
850 Board Meetings	3,500.00	4,301.44	4,000.00
851 Stationery & Printing	1,800.00	2,430.77	2,000.00
OFFICERS EXPENSES			
852 Secretary	500.00	664.37	600.00
853 Treasurer	400.00	406.15	450.00
854 Vice President	350.00	-	400.00
855 President	1,000.00	932.04	1,000.00
856 Directors	1,000.00	474.10	1,000.00
857 Scholarship Awards	4,100.00	4,900.00	4,900.00
858 Election Expense 1986	3,500.00	3,435.73	2,500.00
860 Hot Line, printing	700.00	368.00	600.00
861 Refunds (not income)	-	233.50	-
862 DEMOS Office Typist	11,300.00	5,852.50	11,300.00
863 Convention Loan	500.00	500.00	500.00
865 Miscellaneous Expense	300.00	496.04	300.00
866 Activities Manager Exp.	200.00	126.21	200.00
870 Office Equip. Maintenance	2,500.00	1,202.40	3,000.00
QCWA Caps	-	1,267.20	-
40th Anniversary	-	1,028.60	-
1987 Directory Postage	-	2,150.00	-
872 Taping for the Blind	-	100.00	200.00
Total Expenses	\$ 89,500.00	86,160.83	94,050.00
LIABILITIES			
Less Increase in deferred Income (advance dues & Life Membership payments)	-	-	12,760.00
Depreciation Replacement (thru 12/31/88)	-	-	2,291.00
Total Estimated Expenses & Liabilities	-	-	\$ 109,101.00

THOUGHTS WITH RESPECT TO THE QSO PARTY RULES

Jim Gundry, W4JM
2908 Forestgreen Dr S, Lakeland, FL 33811

I would like to recommend changing the rules of the QSO Parties. Eligible Chapters are always in a state of flux. Many contestants fail to check the eligibility list in the Journal. This complicates checking logs, as I know from experience. By-the-way, one W5 even sent his CW contest log to me this year (1988)! That shows how much impression the printed word makes on some hams.

I suggest a simple message style format:

(Send)				(Receive)					
QSO No.	Call	QCWA #	QTH	QSO No.	Call	QCWA #	QTH	Pts	x
1	W4JM	3443	FL	22	W4HVU	264	NC	1	1

The GMT column to be on the left margin before the other data.

Stations could be contacted once on each band; multipliers to be states, Provinces and countries on the ARRL-DXCC list, (Including the 4U station at UN HQ in NYC, provided there was only one operator). I think the exchange of names is superfluous. This simpler format would expedite log checking. I think too much emphasis is placed on the Chapter multiplier (although well-intentioned) and pursuit of States, Provinces and countries is really more challenging.

restriction such as that the recipient could not accept any other scholarship.

QCWA CHAPTER NEWS

SAILFISH CHAPTER No. 82, QCWA

H. Denny Dennewitz, W90QN
3100 Pruitt F-302, Port St Lucie, FL 34952

QCWA Sailfish Chapter 82, of Stuart, Florida, wishes to take up the challenge issued by the El Paso Chapter 64, as seen in the QCWA Journal, Volume 36, No. 4, Winter, 1987, page 125.

Our Sailfish Chapter has a total of 773 years among the following members:

Bob Sidnell, W8KS - 72 yrs	Bill Jochimsen, K4ZK - 52 yrs
Nelson Clark, W8SMO - 62	Carl Rippel, W8NCH - 52
Pete Hattendorf, K4KAH - 56	George Daly, W3WU - 52
Walt Parker, K4GRH - 56	Wm. Phelan, W2AWA - 58
Tom Phelan, W2LTR - 52	Bill Nogata, K4KPH - 53
Hank Folkerts, K4K0 - 53	Roy Pearce, WB4VBL - 50
Jack Erickson, AD4N - 51	Wm. Klinke, KA4MWG - 52



The picture above, taken several months ago showing some of the members listed above - L-R are: Bob Sidnell, W8KS; Bill Jochimsen, K4ZK; Nelson Clark, W8SMO; Carl Rippel, W8NCH; Pete Hattendorf, K4KAH.

Our chapter meets on the third Wednesday of the month at the Flamingo Restaurant on US Hwy in Stuart, at 11 AM.

CENTRAL NEW JERSEY CHAPTER 138

Harold Clanton, WB2CJE
15 Valley Dr, Neptune, NJ 07753

Central New Jersey Chapter 138 held the quarterly luncheon meeting on February 23, 1988, at Howard Johnson's Restaurant in Middletown, NJ, with 35 members, xyls and guests in attendance.

John Gainey, W2LCO, was recognized for having been awarded the QCWA Gold Certificate celebrating the 50th anniversary of his first license, the QCWA 50Year, continuously licensed Certificate and the QCWA Century Club Certificate.

After a short business meeting, Phil Petersen, W2DME, gave an interesting and informative talk on tracking the Ski-Trek team via the digtalker on UOSAT OSCAR 11. This is the team made up of four Canadians and 7 to 10 Russians who are travelling from Russia to Canada over the North Pole.

Hugh Dickinson, KK2J, a Charter Member of Chapter 138 and net control operator for CW nets for several local amateur radio clubs, is moving from New Jersey to Virginia. Dick

enjoys working the novice bands and has been the first contact for many newly licensed novice amateurs. We wish Dick the best of luck at his new QTH.

CANTON CHAPTER No. 21 of QCWA

Dave Polen, W8FRB
4434 Fairhaven, NW, Canton, OH 44709

On a cold and blustery February 20, 1988, Chapter 21 had a dinner meeting at Bassetti's Restaurant, in New Philadelphia, OH. Among the 59 members and guests present were Ed Gammeter and wife. Ed is President of the Pittsburgh Chapter, as well as a faithful member of Chapter 21. Ed is W8CSU, in Cadiz, OH, the home of Clark Gable!

After a nice dinner Ray Lindimore, K8ZJG and Marv Dennison, K8ANA, one of our directors, entertained us with the history and recent upgrade of the Tusco Amateur Radio Clubs repeater, W8ZX, which was one of the first repeaters in Ohio. Check it out on 146.73- when you are in the area, it will do everything but replace the finals in your hand held!

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SUMMER ISSUE OF THE QCWA JOURNAL

The Summer issue of the QCWA Journal will contain some editorial comment with respect to NO CODE LICENSING. The comments will be made in light of recent Canadian action in that area and not necessarily be popular with certain of we old-timers....the comments will be controversial in nature. If you wish to influence the editorial comment write with your ideas to: Editor, QCWA Journal, 1409 Cooper Dr., Irving, TX 75061-5527. We're not looking for a consensus - instead we're interested in realistic review of some of our most cherished views in light of a changing world. Your

Canton Chapter 21 is actively engaged in preparing for our "Real Big Bash" celebrating our 25th Anniversary. This dinner meeting will be on May 21st, at 5PM, at the McKinley Museum of Science and Industry, in Canton. Henry, W8OYV; Charley, K8BYC; Lem, W8MND and Dave, W8FRB are sorting through the vast collection of vintage radio items from WW-I, through the 20's, 30's and 40's for your inspection and enjoyment at our 25th Anniversary Bash! YOU ARE ALL INVITED!

FLASH!

At press time QCWA Activities Manager, Onie Woodward, W1ZEN, announced the top-five scorers in the 1988 QCWA QSO Party who are:

	CW	PHONE
1.	K1IU	W4WKQ
2.	K9CLO	K9CLO
3.	W4WKQ	W5KL
4.	W6ASH	W4HVV
5.	W2RRY	W7BGH

Scoring by Baton Rouge Chapter, Full report in the Summer issue of the QCWA JOURNAL!

QCWA CHAPTER NEWS

SCHEDULED ON-THE-AIR MEETINGS REPORTED

1	Cleveland Chapter	Wed	0100Z	W8LYD	28/88
2	Chicago Area	1st Thu	0300Z		148.17
4	Northwest Chapter	Sun	1630Z	W7PN	3655
		Sun	2000Z	W7FNC	3952
		Sun	2300Z	W7AZI	2952
5	Delaware Valley	Sun	1445Z	W2HX	3917
6	Pittsburgh	Sun	1330Z	W8CSU	63/03
		Sun	1415Z	W8CWY	3880
7	Southern California	Sun	0900L	W6FQ	3917
		Sun	1100L	K6BA	3690
		Sun	1000L	W6ZRZ	146.85
8	Upper Midwest	Sat	0800L	-	3880
9	Dayton/Cincinnati	Sun	1700Z	W8DWT	3987
10	Michigan	Sun	1300Z	W8LA	3903
11	Northern California	Sun	0930L	W6FQA	3907
		Sat	1000L	W6BOW	146.85
14	San Diego	Wed	0400Z	K6QM	145.52
15	Tulsa	Sun	0645L	W5FU	3830
		Sun	0930L	W5FU	7157
16	Arizona	Sun	0800L	W7ER	3890
20	Baltimore	Mon	2400Z	W3EE	146.88
21	Canton, OH	Daily	1400Z	W8CZA	147.42
25	Nebraska	Sat	0830L	W0EUT	3982
28	Central New York	Sun	1030L	W2UBU	3917
31	Reading, PA	Mon	0100L		146.91
32	Gator	Sat	0900L	W4OIN	147.37
33	Gunderson-Penn-Jersey	Sun	0100Z		3982
36	Northwest Indiana	Wed	0100Z	W9NGB	145.45
38	San Antonio	Sun	2030L		28640
41	Dallas	Sun	0715L		3835
45	Citrus	Tue	2400Z		147.225
46	Founders'	Sun	1615Z	W2DP	3917
		Thu	0015Z	W2ICW	147.00
48	Treasure Coast	Daily	1500Z		7153
49	Atlanta, GA	Sat	0900L	K4VN	3832
55	Wisconsin	Sun	0830L		3985
58	Colorado	Sun	0900L	W0IJR	3905
		Sun	0930L	W0ERR	146.07
60	East Tennessee	Sun	2200Z		3875
61	Detroit Metro	Sun	0800L	W8IHx	3664
62	Suwannee	Sat	0900L	K4BRC	3940
63	Central Oklahoma	Sun	1400Z	K5DLE	3855
64	El Paso	Sat	0830L	W5BFN	3933
65	Niagara Frontier	Sun	1330L	W2SD	3900
73	Southern Ontario	Sun	0900L		3772
77	Northern New Jersey	Sun	1300L		3917
		Thu	2000L		147.285
79	Sunflower Chapter	Wed	2100L	W0MYM	146.82
	1st & 3rd	Sat	1400L	W0AWP	3610
	2nd & 4th	Sat	1400L	W0MYM	3915
80	Caloosa	Wkly	-		146.52
84	Floral	Mon	0130L	KF4BU	146.28
85	Ark-La-Tex	Mon	0200L		146.76
87	Evergreen	Sun	1400Z	W7CJ	3985
89	Palmetto State	Sat	0900L	W4HDO	3927
		Sun	1700	N4LS	3695
		Sun	1700	N4LS	3695
90	Razorback	Sun	1300L	W5MYZ	3907
96	Gateway	Sat	1600Z	W2KGI	3933
102	Dakota	Sun	1400Z	W0HOJ	3890
104	Treasure State	Sat	1700Z		3938
106	German	Mon	1700Z	DL9AR	3663
		Tue	1730Z	DJ2ZB	3555
107	Central Florida	Sat	1500Z	W4LHP	7243
		Thu	1400Z		21380
109	Baton Rouge	Sun	0830L	W5URR	3905
		Sun	2000L	W5URR	146.19
110	Kansas	Sat	0730L		3920
112	Yankee	Sun	0830L		3902
117	Appleseed	Sun	2100L		147.27
118	Coastal Carolinas	Mon	2000L	W4EHF	146.28
120	QC Wireless Women	Tue	1900Z		14295
122	Lake Erie-Tri State	Sun	0930L		3915
123	Lee deForest	Sat	1330Z		3885
125	Halifax Chapter	Tue	1930L	K2HWF	147.15
126	Piedmont	Sun	1400Z		3935

128	Pelican	Sat	1500Z		147.06
130	Inland Empire	Sat	0800L		3862
134	Pine Tree	Sun	1930Z		3942
135	Mid-Michigan	Wed	0100Z		146.40
138	Central New Jersey	Tue	2200Z	W2DME	147.045
143	North Colorado	Sun	0830L		146.25
146	Twin State	Sun	0830L	W1SVT	3897
149	Nutmeg	Sun	1630Z	AE1H	3923
150	Del-Mar-Va	Sun	1430Z	W3BKN	146.22
151	Wild Rose	Mon	2300Z	VE6EO	7155
152	Royal Palm	Daily	1800Z	W4LZV	3910.
157	Pony Express	Sun	1430Z	K0TUH	3955
160	Utah Chapter	Sat	1830Z	W7FVM	7272
162	Southeast Wisconsin	Wed	0300Z		21325
164	Big Bear Lake	Sun	0300Z	K6GCF	147.33

QCWA INTERNATIONAL & REGIONAL NETS

QCWA INTERN'T'L	Sun	2000Z	W6FQ	14347
QCWA CW NET	Wed	2000E	W5QU/W4PI	7035
Florida SSB	Sun	2400Z	W4PI	3955
NE Regional	Sun	0845L	KA2IXW	3917

DETROIT METRO CHAPTER No. 61 of QCWA

Len Kerzka, W8IHx
4900 Lakeview Blvd, Clarkston, MI 48016

Greetings from Detroit Metro Chapter #61! Our November meeting began with an almost full house of members and two prospective guests. President Kurt asked the Secretary to appraise all attending of our goal--to purchase a QCWA Banner for our Chapter. In our previous meeting a 50/50 drawing was held, so that 1/2 could go to a winner and the other half would be used toward the purchase of the banner. As this drawing commenced, two of our members requested a caucus be held in what they called "fundamental procedures". During this caucus a motion was made and seconded, that all of the proceeds of this drawing be put toward the purchase of our banner. After some debate on this motion a vote was taken. Results of the vote showed the majority agreed with the motion. In a separate enclosure, we are ordering a banner for Detroit Metro Chapter No. 61!

Our speaker of the evening was none other than Mr. Jan Jellema, W8SWN. He is with the Eastern Michigan University College of Industrial Technology. His subject was "Automatic Identification". His discourse included bar-coding, magnetic strips and voice recognition. Of most interest were his slides and commentary on how identification coding was used in industrial applications. A most interesting subject, in which he held the members attention for some time.



The picture above shows, on the left, Henry Johnson, W8AG, with his Century Award; center is President Kurt Schmeisser, W8LZV; on the right is Floyd Rousch, W8GA, holding the 60-Year Certificate of Carl Herbart, W8CU, who could not attend.

Wells Chapin, W8GI, one of our members who helped organize Chapter 61, is trying to start a network of Michigan hams who are affiliated with the Masonic or Eastern Star groups. He would appreciate if they would send him their QSL card, with Lodge affiliation and include their telephone number. His address is The Michigan Masonic Home, 1200 Wright Avenue, Alma, MI 48801

SILENT KEY MEMBERS

For the first time the Journal is printing QCWA membership number identification for each Silent Key member listed. It is our thought that in the future this information might help a great deal in identification for those who might be seeking historical data. This will be increasingly important as old calls are re-assigned to new amateurs and QCWA members.

Coan, Martin	K1AMJ	1851	Jason, Michael A	W4OTU	16122	Goetze, Henry W	W7CXX	19857
DiNucci, William A	WA1BOS	6333	Robinson, H H	W4QR	201	Holmes, Edward	KL7HFX	9494
Hartley, James F	W1DIS	4102	Daniels, Frederick J	W4SWT	9038	Knotts, Richard B	W7HJR	15571
Green, James H	W1GT	5886*	McKinley, William C	K4TNB	9601*	Reed, Harold	K7JGM	6281
Hawley, Frank B	W1HO	5325	Peterson, John H	W4WDV	15823	Goodrich, Charles S	W7LLB	14965
Sannella, Michael J	W1LR	1955	Hedrick, Charles E	W4WO	4191	Harrison, Wilbur	W7PES	12452
Colby, James T Jr	W1QHS	7993*	Martineau, J P	W4WV	2587	Jorgenson, T O	K7VVQ	10587
Low, Raymond G	W1VMD	11893*	Pickering, A T	W4YPG	10913	Bailey, Russ	WB7WAW	16737
Thull, Richard P	K1YMY	3951	Owens, William D	W4YXW	12195	Exner, Don W	W7ZU	3835
			Akre, R O	W4ZZZ	3491			
Peer, Lyle H B	W2ACB	5189	Fraser, James W	K5BVO	12724	Snyder, Carl	W8ARW	1649*
Pfeffer, Nathaniel	W2AIM	357*	Braidwood, Thomas W	W5BW	6784	Galvin, Larry	K8BYI	15276*
Sanders, T J	WA2APP	11253	Crabtree, Charles F	W5COR	18674	Runnells, Ira	W8CYJ	1437
Coulson, Everett J	WB2BGU	10770	Cochran, Kenneth W	W5CXE	8442	Filliez, Robert R	W8DCW	3597
Bors, Vincent Jr	WB2BGV	5543	Wetzel, Harvey I	K5DUJ	17139	Hildebrand, W M	W8EX	2022*
Alexander, William T	W2BNI	10352	Wilson, James A	W5DVL	8410	Laughrey, Howard M	W8FSY	327*
Trapkin, Jack H	W2CD	1103	Williams, Jesse A	W5ETL	7677	Staubach, William P	W8GPG	5748
Schretzmayer, John	W2CJI	10807	Tatum, Eldon F	W5FFM	13586	Windom, Loren G	W8GZ	7696
DeWitt, David	W2CNJ	4436*	Bettis, William C	W5GYW	6873	Karl, Robert L	W8HS	4501
Meyer, Stephen	W2EQF	4570*	Richardson, Otto H	W5IGU	7183	Shaffer, E F	W8IE	1254
Devereux, William E	W2FA	644	Doggett, John R	W5IGX	9182*	Lokcinski, Paul	W8IVH	13761
Canning, Frank R	W2GCB	4014*	Meyer, Edgar F	W5LUN	9085	Antal, Bill F	W8JEJ	13462*
Eastman, Philip J	W2GDP	14815	Dowdy, Fred W	W5MQB	18864*	Goss, Leroy Herbert	W8KVA	9660*
Hopper, A Edward	W2GT	1550	Mallard, Granville E	W5OMP	8354*	Slater, Harlan A	W8KYI	2897
Richards, Harper K	W2IV	7893	Woodard, Bruce R	W5OSJ	11781*	Lyman, David L	W8LCY	2896
Harman, William K	W2LGE	11673	Marco, Jimmy T JR	K5RAK	19940	Drake, Carl A	W8MPW	8271
Herland, John N	W2MDB	468	Perry, Wayne E	W5YK	3718	Stracka, E A	W8NDY	3073
Sutcliffe, H J	W2MIO	4299*	Strawn, Jess B	W5ZWX	12387	Riehl, George C	W8NJE	3320
Ryan, Thomas J	W2NKD	18461				Underwood, Philip C	W8NNG	6841
Costin, Serge	K2PA	18235	Sassone, Arthur J	K6BXB	14365	Bacon, Carleton S	W8NS	2732
Wallen, Clarence H	W2RFV	2202	Teachout, D H	W6CPW	5965	Myers, Robert P	W8PLB	13061
Meyer, Joseph W	W2VW	2985	Schueler, Walter O	W6DCR	5165	Archbold, Ralph L	W8SSW	9876
Skawinski, Stanley B	K2YIO	16295	Maxon, Roy R	W6DEY	1290	Decker, D M	W8YFI	6565
Carroll, John M	W2ZDF	14545	Benn, John F	W6EZA	10879			
			Denny, Wilfred I	W6FGT	5986	McKee, Myron J	W9ARK	2018
DeWalt, Jerome W	W3BL	1756	Thorpe, Glenn E	W6GJE	19237	Parker, Charles	W9CRY	12889
Taylor, Herbert G	K3CIS	2163	Sterle, Ray M	W6FZX	3243	Briggs, Karl G	W9FRE	8253
McDonald, Lynwood W	W3ESD	2206	Morris, M H	K6GJ	4242	Pearson, Karl O	W9HXE	10508
Conner, Leo M	W3GUP	13441	Miller, Harry A	W6IBX	9756	Sammis, C Willard	W9JH	16159
Wolf, John E	W3IMU	5930	Jackson, Benjamin B	W6JF	3088			
Stratton, James W	W3JEZ	15919	Butler, Lou S	K6JL	3763	Williams, Charles E	N0AOR	13209
Leibensperger, E D	W3JXQ	4166	Gately, Frederick	W6LNH	3615	Harrison, Norman	W0BTD	11553
Thomas, Joseph G	W3PIH	7029	Stagnaro, John A	W6MAB	6492*	Hollister, J Herbert	W0DRD	11662
McCarthy, William J	W3VP	2221	Warford, Earl Mel	W6MEL	11814*	Sollars, Leonard L	N0GCC	18970
			Turner, Edward T	W6NVO	3344	Terman, Ted A	K0HRS	16865
Propst, John M	W4AAA	12000	Cook, Robert J	W6PJA	6248	Olson, Blaine P	W0HZU	10591
Ragsdale, Robert G	W4AJX	11861	Davis, Warren W	K6PQI	13965	Wyland, Alfred Preston	W0INR	11014
Gould, Clinton A	N4AOS	16787	Welch, Herbert E	W6PRD	5625	Darge, Erwin C	W0MHB	15457
Martin, Hiram R	W4BH	1517	Inniss, Fred	K6QBF	4369	Lewis, William R	W0MMB	20657
Baker, Stewart J	K4CGV	18562	Keating, Edwin D	W6QLJ	11763	Kenyon, John A	W0NWV	11463
Jackson, Winston J	W4DB	9779	Challinor, Ralph L	W6QQE	9477	Louden, Rex D	W0NYV	20410
Borsody, B Frank	K4EC	4035*	Roltgen, Leroy O	W6RKK	11130*	Ridenour, Richard W	KB0ZL	14800*
Hickin, George K	W4GH	11438*	Tompkins, Douglas H	W6RLC	17661			
Morris, J Winfree	K4GKI	257*	Barry, Fred N	K6RTU	2422*	Vizethum, Hans	DL1BZ	13552
McLaughlin, N R	W4GJR	2055*	Mori, Shig	W6SSA	14901	Mania, Kurt	DL1JG	16552
Merritt, William Harold	W4GOM	11023	Reed, Fred A	W6UMC	5232*	Koenemann, Hannes	DL3DX	12671
Weill, Robert L	K4GRM	18628	Parks, Richard T	W6UO	6000*	Hesler, Ron J	VE1SH	5479*
Rettsatt, Karl V	K4HO	2993	McLean, Edwin B	K6UR	4891*	Sanderson, Harry R	VE3AHW	15066
Wight, Charles W	W4JCK	8228	Adams, Raymond H	K6VDS	16805	Langstaff, Hart	VE3FO	14576
Wadsworth, Corwin Q	N4JSK	17920				Betzner, Allen	VE3OL	19446
Hart, Edward Jr	N4KB	2416	Gullstad, Harold E	W7AAK	10579	Whetham, Leslie A	VE3QE	9824
Combs, W Herbert	W4KEB	6925	Williams, Charles Ewart	W7AN	2191	Cumming, Alison A	VE3UC	2963
Vordermark, Ernie	W4LF	7740	Schuler, Erwin H	W7BFI	2213*	Cartledge, William R	VE3ZC	9469
Norcross, B B L	W4MGT	1333	Rinehart, Stanley L	W7CJC	10726	Wilkinson, S W	VE7XH	11050
Holder, James A	K4MOA	15698*	Grabert, Garland F	KB7CU	20226			
Bricker, Jack C	N4NB	12372						

*Life Member

On October 30, 1987, QCWA Published a complete list of all known Silent Key Members. The booklet entitled "Roll of Silent Key Members", was premiered at the QCWA Convention, October 30, 1987, at San Diego. The booklet is still available from Headquarters (see advertisement pp 14/15). Since that time research has been carried on by Ralph Cabanillas, W6IL and Ted Heithecker, W5EJ, and a number of early members of QCWA, not previously notified as Silent Keys have been identified. That list appears on Page 13 of this issue of the Journal. That supplemental list plus the list above brings the "Roll of Silent Key Members" up to date. Research continues, and from time to time the Supplemental lists will be published in the QCWA Journal, keeping the roll of Silent Key members up to date.

QCWA MEMBER RECEIVES HONOR

We have been advised that QCWA Member, Frank Bates, AA6C, stationed with the U. S. Embassy in Ankara, has been Awarded the prestigious honor as Security Engineering Officer of the Year, 1987. This Award represents the highest achievement that can be earned by a Security Engineering Officer.

Responsibilities of a Security Engineering Officer range from technical deterrence against terrorists to protecting the Embassies and Consulates of the United States against really sophisticated bugging techniques. Our Security Engineers all around the world have their hands full these days. Congratulations, Frank!

BEAVER STATE CHAPTER No. 108 of QCWA

Fred Dickson, W7LBH
38566 Parkside Rd NE, Albany, OR 97321

The Beaver State Chapter No. 108, met at the Black Angus Restaurant in Salem, November 15, with 57 attending our Annual Meeting. President Norris Bundy, W7ILE, called the meeting to order and after administrative actions, announced the election of officers for the following year. The present Officers: Norris Bundy, W7ILE, President; Jim Smith, W7LZA, Vice President; Fred Dickson, W7LBH, Secretary/Treasurer, were re-elected for another term. Gordon Tucker, W7FLF, was elected to serve as Delegate-at-Large for the 1988-1989 term. The second Delegate-at-Large is Frank Buhman W7CVL, now serving the 1987-1988 term.

Three attendees applied for Chapter membership and one submitted an application for National membership. After announcing the next meeting would be held in Eugene on February 21, the meeting was adjourned.

DALLAS CHAPTER No. 41 of QCWA

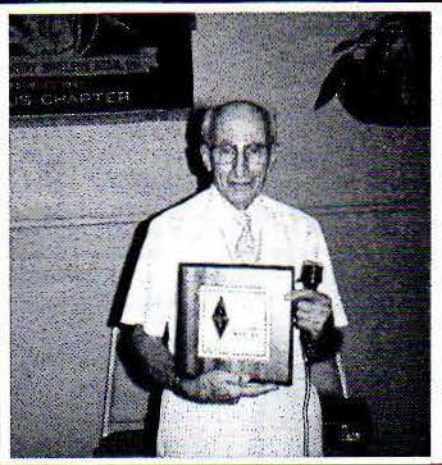
Mr. Frank Lester, W5ATM
3033 Fondren St, Dallas, TX 75205

Since its inception, Dallas Chapter has shown continuous activity and growth. The Chapter was organized by Paul Crossno, W5HT working in close cooperation with J. B. McHale, W5JQY. Paul served as the first Secretary of Chapter 41, and has been active in the work of the Chapter for essentially 20 years. At the present time he maintains records of those checking into the Chapter's on-the-air meeting. Those checking in every Sunday for a calendar month are placed on an honor roll and are the first called up on ensuing nets. With approximately 50 checking in regularly, 35 are generally on the honor-roll.

Dallas Chapter has had five administrations, based on who is occupying the President seat. All of the Presidents have been very active and served as "spark-plugs" for the members. The Presidents have been: Paul Crossno, W5HT; Barney Moffatt, W5CJZ; Henry Winans, W5KNY; Charles Wilson, W5ZKM; Bill Chapman, W5YJB and, Al Marquardt, W5PXH.

CITRUS CHAPTER No. 45 of QCWA

Gerald R. Skinner, K4LVZ
3311 Ellwood Ct, Winter Park, FL 32792



Pictured above, John Glauber, W4OB, has received his 60th year of continuous membership in the ARRL plaque. It was presented by John Lenkerd, W4DNU.

The event took place at the September, 1987 meeting of Citrus Chapter, Forest City, Florida.

In his remarks, W4DNU noted that there are only four holders of 60-year plaques. In his acceptance of the Award, John spoke of his life in electronics and amateur radio.

CHATTANOOGA CHAPTER No. 115

Charles E. Curle, AD4F
8719 Snow Hill Rd
Ooltewah, TN 37363-9628

The annual meeting of Chattanooga Chapter 115 was held the evening of February 18, 1988, at the Country Place Restaurant in North Red Bank. This is the meeting that was scheduled for December, planned for January and held in February.

President Clyde opened the meeting with a greeting to the members, then introduced the guest speaker for the evening, Mr. Tani Allen, WA4HRX, of Tel-Page, who gave a very interesting talk on pagers, paging and how it all works, including nation-wide paging via satellite.

At the end of the program, Clyde called for the report of the nominating committee. Their report was to recommend the re-election of the current officers, which was done. A statement of sorrow at the death of Bill Burnette, W4BEV, was made, then the meeting was adjourned.

See the story on this page 9, by Barney Moffatt, W5CJZ, reporting on the PUBLIC SERVICE activities of Dallas Chapter Members. This is a continuing project. QCWA urges all Chapters to undertake an activity of any kind and to report it to the Journal for Publication. We will start an Honor Roll, listing those chapters participating. It is PUBLIC SERVICE that really counts when someone asks "how come those Hams get all those frequencies". A record of Public Service will help to insure that your grandchildren might enjoy "ham" radio too!

TACOMA, WA -- Amateur radio operators in two states appear to die at abnormally high rates from several forms of cancer, suggesting a possible link between cancer and electromagnetic fields, according to data collected by a state epidemiologist.

Others cautioned that evidence of such a link has been inconsistent and that other factors may be involved.

Dr. Samuel Milham, Jr., of the Washington Department of Social and Health Services studied the deaths of 2,485 Washington and California ham operators between 1979 and 1984.

He reported in the American Journal of Epidemiology that 29 leukemia deaths would be expected in a group of people that size, but he found 36 deaths. Statistically, he expected to find 72 lymphatic and blood-forming organ cancers, but found 89. And he expected to find 67.6 deaths from prostate cancer, but found 78.

The study "indicates that amateur radio operator licensees in Washington State and California have significant excess mortality due to acute myeloid leukemia, multiple myeloma and perhaps certain types of malignant lymphoma." Milham reported. All those diseases are forms of cancer.

Milham said last week that even more disturbing studies have come from other scientists. University of Colorado and University of North Carolina studies, for example, have found unusually high levels of leukemia among children who live near power lines, he said.

Editors Note: Only time will provide proof or the lack of, in this matter. As an amateur, and one who has operated my entire life in the presence of strong electromagnetic fields, I tend to resent such articles which do not define the studies - for instance, did the studies made consider the operating power of each of the amateur transmitters? Did the study consider the number of hours during the lifetime of the amateur during which he was subjected to such fields, etc.....an article that appears in print tends to be taken as gospel.....before you believe any written material demand to know the qualifications of the one talking; and the range of data studied; was every variable considered? Too many of us write without considering the possible impact of our words.....thus came the quotation "a little knowledge can be a dangerous thing".

This story was published in the Greenville, SC News, Sunday, January 3, 1988, and furnished to us through the courtesy of Ed Cushing, W4GW.

QCWA CHAPTER NEWS

NORTHWEST INDIANA CHAPTER No. 36 of QCWA

Frank J. Farkas, W9MJH
6530 Idaho Ave, Hammond, IN 46323

Northern Indiana Chapter met on September 25, 1987, at which time election of officers was the business of the day. Nominations were from the floor with the following elected:

Ron Banaszak, W9MDF, President
Frank Farkas, W9MJH, Secretary/Treasurer
John Spudic, W9NGB, NCS

Those elected were inaugurated at the October 23 meeting.



The picture above show, L-R, Frank J. Farkas, W9MJH; Jim Patterson, W9QCW (retiring Secretary); Gilbert Galambus, W9JZA (retiring president); Ron Banaszak, W9MDF.

Gil and Jim gave short retirement speeches following which Gil then called the new Officers to the Podium, and turned over the gavel. As his first official act, Ron presented Gil, W9JZA and Jim, W9QCW, with Awards of appreciation for their services. Ron is planning on working toward establishing a membership drive....he asked W9NGB and W9CHK to continue working in their areas of expertise. Ron announced that Gil is the Chapter's oldest member, now 90, and 55 years of it a Ham! Ron thanked Reenie, Chairperson for the Dinner Meeting; Neil, W9SNF, cameraman; Bob, W9BUN, for collecting the money; Mickey for his music and singing; the Ladies for sharing a wonderful evening. The attendance sheet showed 29 were present.

SAN ANTONIO CHAPTER No 38

Byron A Mapes, Jr., W5CQH
1947 Encino Belle, San Antonio, tx 78259

1988 is off and running. At this writing, Saidy Hawkins Day, 1988, we have a new staff of officers. Ready willing and able. We would like to thank last years officers for their fine work. It is our turn now and we are trying.

The CW QSO party was a lot of fun and we had several of our members representing Chapter 38. Jimmy, W5JC, one of our big guns, could not participate all he wanted. His son and family dropped in for a visit, so Jimmy could only break himself away for a couple of hours. Jim, W5ODD, was simply not available. He was on Cocos Island (or on return trip) operating as VK9YA. He logged over 4,500 contacts, including 85 countries and had contacts with several members of our San Antonio Chapter. Les, W5BE did not feel up to it this year. George, W5LFG had "one" contact. Larry, W5QMU was in there pitching. Monty, N5EN, with the usual one hundred or so contacts. It was a great party with 15 meters open most of the time, but few were on.

At our February 27 meeting, Pat Dugan, KA5GKO, enlightened us on Today's Smuggling of Narcotics. We were spell-bound for an hour or so with his presentation. First hand information, on the latest trends and how unsuspecting tourists are used as carriers or as decoys. The presentation included a complete description of the various substances,

how they are grown, produced, processed and how they are introduced into the human body. We feel very privileged to have this information and perhaps other chapters can talk him into a future presentation.

Buy the time you read this, our 20th anniversary meeting-party will be history but rest assured a write-up of that celebration will be in the QCWA Journal.

NORTHERN LIGHTS CHAPTER No. 92 of QCWA

Roy Gould, N6GM
7121 E 34th Ave, Anchorage, AK 99504

The annual dinner and meeting was held December 11, 1987, at the Frontiersman Cookhouse on East Tudor Road. There were 34 members and guests in attendance. Mr. A. G. Hiebert, Chairman of Northern Television, was the guest speaker.

The meeting was called to order by President Harold Hitchen, and a moment of silence was observed for Silent Key Members, Ed Holmes, KL7HFX, and Allen Bianco, KL7FKO. Two new members, Logan Groomer, KL7EKL, and Jimmie Tvrdy, KL7CDG, were introduced. Another new member, Alfred Apodruk, KL7BJV, of White Mountain, was unable to attend. We welcome them all to the Northern Lights Chapter of QCWA!

John Trent, KL7DG, presented outgoing President, Harold Hitchen, KL7PG, the QCWA Meritorious Award. Election of Officers for the New Year were held and Alfred Fromm, AL7C was elected President. John McQueen, KL7AVX was elected Vice President and Roy Gould, N6GM was elected to the office of Secretary/Treasurer.



In the picture above, John Trent, KL7DG, founder of Chapter 92, presents the QCWA Meritorious Award to Harold W. Hitchen, KL7PG, at the 13th annual meeting of Chapter 92, November 11, 1987, in Anchorage, Alaska

WEST VIRGINIA CHAPTER No. 30

James E. McEwuen, W8GUL
1114 Harvatis St, Morgantown, WV 26505

West Virginia members were saddened by the sudden loss of Mary, the wife of Bob Pullen, K8GAG, our Chapter Vice President. Bob Fowler, N8FB, lost his XYL Irene following a long illness. We received the picture of Bill Giles, W8ELJ, celebrating his 80th birthday with his wife Beulah. Lyle Bates, W8BOK reports he is back on the air after a long illness and he sent along a QSL card made with a 1-cent stamp on it....looks like you'd better get some new ones, Lyle!

We're still looking for the longest licensed ham in West Virginia. Come on fellows, let's have some dates when you first started those sparks jumping around.

The Spring meeting of the West Virginia Chapter #30 will be held on Saturday, May 21, at the Western Sizzlin Steak House at Gassaway, WV at 5 PM....see you there!

QCWA CHAPTER NEWS

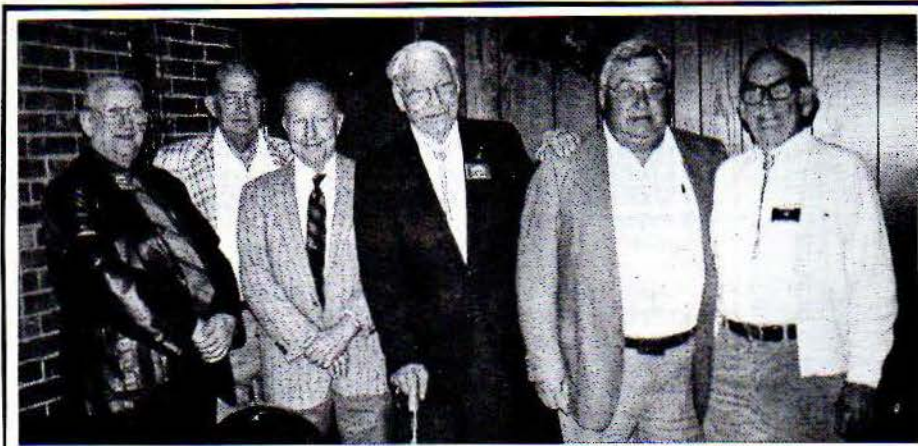
SUNFLOWER CHAPTER No. 79

Recently the new officers of Sunflower Chapter No. 79, serving Wichita, Kansas and surrounding areas of Kansas, were installed. Elected were:

Al Unruh, W0AWP, President
Bill Johnson, W0AHK, Vice President
Bill Chambers, K0VBD, Secretary/Treasurer
Pat Milligan, N7PM, Public Relations Director

Directors Alden Davis, W0PCW and Cecil Stoner, K0CFM began their terms in office.

An interesting Chapter project was completed recently--for over a year, during the weekly on-the-air meeting on 2 meters, a profile covering a Chapter member was presented. Upon completion of the series, they were compiled by author W0AWP, published by W0UUS, and made available to the 54 members by Secretary/Treasurer, K0VBD.



The picture above taken of the newly elected Officers who are, L-R: N7PM; K0VBD; W0AHK; W0AWP; W0PCW and K0CFM.
Photo by W0MYM

PITTSBURGH CHAPTER No. 6 of QCWA

Nathan S Firestone, W3SVJ
673 Loretta St, Pittsburgh, PA 15217-2829

After a lunch social, the fall meeting of Pittsburgh Chapter 6 was called to order by President Ed Gametter, W8CSU. Attending officers were: Pete Backstrom, W8DM, Vice President; John Hoffer, W8CWY, Recording Secretary and Directors W3VRZ, W3SIK, W8CSU and W8CWY.

Fifty year members belonging to Chapter 6 and so recognized were: W3CJF, W3LPF, W3PFD, W3DM, W3GVI, W8CWY, W3JAY and W3OIY.

An interesting talk and demonstration of the state of the art in repeater systems was presented by K3KEM, Dave. The 147.81/21 repeater is owned and operated by Dave who demonstrated and discussed the various functions and capabilities of his repeater.

Nominations and election of Officers was begun. Ed Gammeter, W8CSU was re-elected and accepted the office of President. Elected for Vice President was Bob McClain, W3VRZ, who accepted that charge. Recording Secretary, John Hoffer, W8CWY, was re-elected to that office. The Board of directors consisting of the newly elected officers as well as W3KEM, Dave Green and Nate Fireston, W3SVJ were voted to that office and will serve two year terms that started January, 1988.

28 members, XYLs and friends attended the meeting. The next meeting is scheduled for

Sunday, May 15, 1988, at 1PM, at ToniDale Restaurant at 22/30 and Rte 60 west of Pittsburgh. Aside from the general meeting and luncheon, Dave, K3KEM, will present a program on static electricity, how it can damage amateur radio equipment and what measures hams can take to prevent this damage. The "talk-in" frequency will be 147.63/03.

All QCWA members, friends and interested parties are invited to attend the spring meeting of Pittsburgh Chapter, as well as joining the informal net check-in at 8:30AM Sundays, local time, on the Carnegie repeater, 147.63/03.

BEAVER STATE CHAPTER No. 108

Fred Dickson, W7LBH
38566 Parkside Rd-NE, Albany, OR 97321

Beaver State Chapter #108 met at Eugene's Red Lion Inn, February 21, 1988, with 40 in attendance.

Two of our distinguished members commented on plans for this September. They were: Bill Shrader, W7QMU, Vice Director of ARRL's National Convention in Portland and Jim Walsh, W4LVN, National QCWA Secretary who spoke about the planned QCWA Luncheon and Northwestern Chapter's Reunion '88, to be held during the Convention.

The next Chapter 108 meeting is scheduled for May 21, at Corvallis, OR

CENTRAL FLORIDA CHAPTER

Jim Gundry, W4JM
2908 Forestgreen Dr, Lakeland, FL
33811

Officers elected for 1988 are: Frank La Londe, W4PBL, President; Norm Weddell, W9HOH, Vice President; Jim Gundry, W4JM, Secretary; Charlie Stevens, K8RIF, Treasurers.

Recent new members of QCWA and the Chapter are: Dick Creasy, WA4RLC; Floyd Frisby, WB4RSC and George Yazell, W9EJY. Danny Webber, W1PCD, from Bangor, ME has joined the Chapter as he winters in Lakeland...Welcome aboard!

Norm Darch, W2RGV, advises that conditions on 15 meters are good enough to permit resumption of our skeds with German Chapter 106 on 21,380 kHz, Thursdays at 1400Z. QCWA members everywhere are invited to check in.

Walt Brink, W3WPY, (Del-Mar-VA Chapter) was in Lakeland on 2 February and met with W2SVB, W4PBL, W2HGV, W4LHP and W4JM. There was much good fellowship and discussion of QCWA activities.

The Central Florida Chapter meets at 11:30AM, the third Saturday of every month (12 Months per year) at the Sirloin Family Steakhouse, 3105 US Hwy 98N, Lakeland. This is at the first traffic light south of the I4/US98N interchange. All area QCWA members and wives are invited to attend. For more information, call Frank, W4PBL 813 858 8346 or, Jim, W4JM at 813 644 3435. Our on-the-air meeting each Saturday 7243 kHz 10 AM, ET welcomes you with Sparky, W4LHP as NCS.

ROYAL PALM CHAPTER 152 of QCWA

George G. Slade, W1GOG
4617 Lakewood Blvd, Naples, FL 33962

We were saddened by the loss of three of our members who became Silent Keys during 1987: Robert Weill, K4GRM; Ron Hesler, VE1SH; and Edward Hart, N4KB. Ron Hesler, a former QCWA Director, had organized our Chapter in 1984, and all three were Charter members. The Chapter has made a gift in their memory to the QCWA Scholarship Fund.

The following incumbent officers have been re-elected for 1988:

Matt Baker, K4FA, President
Dick Pettijohn, W0MIA, Vice President
George Slade, W1GOG, Scty/Treasurer

We invite QCWA members in or near Naples to join us at our luncheon meetings or on our SSB Net. We meet at 11:30 AM on the 2nd Tuesday of each month, at Pine Lakes Country Club at Lakewood, 205 Charity Ct., off Lakewood Blvd. The Chapter Net meets at 1PM local time on Mondays thru Fridays on 3910 MHz. For information, contact George Slade (793-3533).

QCWA CHAPTER NEWS

FOUNDERS' CHAPTER No. 46 of QCWA

David Winter, W4UF
84-26 87 St, Woodhaven, NY 11421

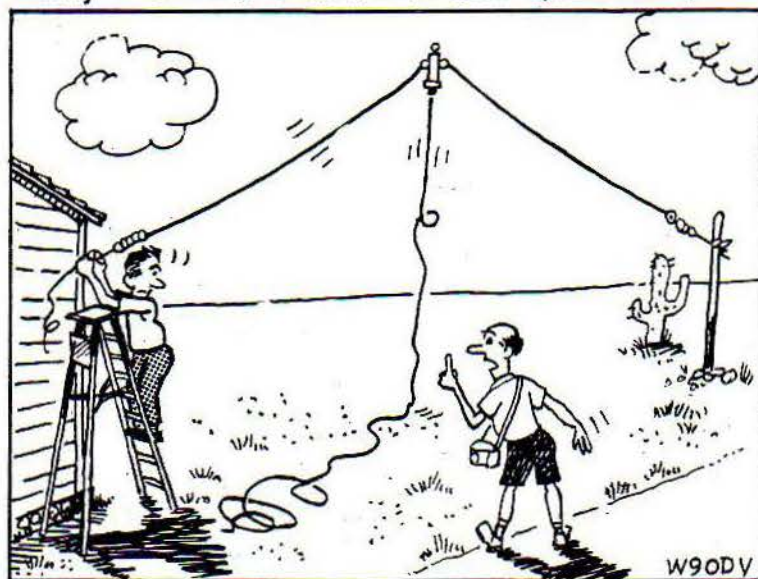
The January meeting of Chapter 46 was held at the 14th Street Armory in New York City with 37 present. President John Weber, KA2IXW, opened the meeting with greetings to the Grossman Family, telling of the endless activities of Vi Grossman, W2JZX. It was announced that Nat Pfeffer, W2AIM and Harry Sutcliffe, W2MIO, who had been very active with Dave Talley, W2PF, in the early days of QCWA, had become Silent Keys. Art Stengel, W2JZH, presented the QCWA Golden Certificate to his long standing friend, Gus Levy, W2LAP.

John, KA2IXW, introduced Harry Dannals, W2HD, past President of ARRL and good friend of the Grossman family. After giving some of the history of Vi, W2JZX, Harry displayed a plaque from QCWA, awarded to Vi for meritorious and distinguished service. The Award was presented to Vi's daughter, Betty Jane Harder, MD, pictured below, and to Ken Grayson, son and grandchildren Cecilia and Jay, who were present. Allen Watonnocker, a close friend of Vi's showed pictures of her past trophies and then presented the chapter with her Vibroplex to be put into the QCWA museum.



Picture by K2CON

"AH-H, -- MIND IF I ASK JUST ONE QUESTION?"



A true Southerner's vision of an uninhabitable world - one without gravy and grits.

SPRING, 1988, FUNFEST PROBLEMS

1. Eighteen percent of the people in Hamsville have unlisted 'phone numbers. If you select 900 names at random, from the 'phone book, what is the expected number of people who will have unlisted numbers? There are 50,000 people in Hamsville.
2. A fifteen foot ladder is placed in an alley which runs between two garages. The walls of the garages are 20 feet high. One foot of the ladder is placed at the intersection of the ground and the wall of one garage, and leans against the adjacent garage wall. A second ladder, 20 feet long, is placed adjacent to the first ladder, with its foot at the intersection of the ground and the wall, and extending across the alley so it leans against the wall of the first garage. The two ladders form an "X" in the alley area so that the intersection of the two ladders is six (6) feet above the ground. What is the width of the alley?
3. This is Tartaglia's riddle. In ancient times the Neophyte in logic was posed such questions as: "If half of 5 were 3, what would third of 10 be?" What is your answer?
4. Hasafisti remarked to his wife, "I was smart to mark those transistors down from \$2.00. I sold them all." "Great", said his XYL, "How much profit did you make?" Hasafisti replied, "I don't know, but the gross from the sale was \$603.77. How many transistors did Hasafisti sell?"
5. What is the smallest number which may be divided by every integer from 1 through 10, with no remainder?

Try your luck! These are easy. Send your answers to W9QB at 1151 Fairway Drive, Dunedin, FL 34698.

WINTER, 1987 FUNTEST ANSWERS SUBMITTED

Problem	(1)	(2)	(3)	(4)	(5)
Answer	3/51	Leave 1 in basket	2 Times	9 Horses	5" (rad) 6 times
W8ANM	3/51	OK	2X	9 HS	5"
W4SZ	3/51	OK	2X	9 HS	5"
KF1B	?	OK	2X	9 HS	equal
W9NHM	X	OK	2X	9 HS	5"
K0RH	30/51	OK	2X	9 HS	equal
K5ACL	30/51	OK	2X	9 HS	5"
K9BL	3/51	OK	2X	9 HS	5"
DF78L	3/51	OK	2X	9 HS	6X
W9SFK	3/51	OK	2X	9 HS	3
W0GN	6/21	OK	2X	9 HS	same
W2OR	?	OK	2X	9 HS	same
W3EEI	28/81	OK	2X	9 HS	same
W0WLN	3/51	OK	2X	9 HS	same
K14V	30/51	OK	2X	9 HS	6X
W2CC	3/51	OK	2X	9 HS	5"
W2BDE	6/21	OK	2X	9 HS	2.5X
W7MRX	6/21	OK	2X	9 HS	same
W7CZL	6/21	OK	2X	9 HS	same
W9BI	10/30	OK	2X	9 HS	same
W1OFV	3/51	OK	2X	9 HS	6X
K5AC	30/51	OK	2X	9 HS	5"
W7MAI	3/51	OK	2X	9 HS	same
K4WV	1/21	OK	2X	9 HS	same
W6BIP	3/51	OK	2X	9 HS	5"
K5UYH	3/51	OK	2X	9 HS	equal
N4UZ	21/60	OK	2X	9 HS	5"
KE4O	3/51	OK	2X	9 HS	6X
K6LWS	3/52	OK	2X	9 HS	5"
KA7WSI	3/51	OK	2X	9 HS	5"

Not a bad showing considering. Hope that you will try again this spring. The spring puzzles are not too difficult. Just don't read anything into the problems that is not stated.

Best of Luck,

QCWA CHAPTER NEWS

QCWA JOURNAL EDITORIAL POLICY DEFINED

More and more you are seeing letters and comments from members of QCWA in the Journal. It might be well to set down Editorial Policy so that you will know just what governs the publication of letters written to the Editor. - - - Letters may be published covering any matter of interest to members or to Amateur Radio operators. It is desirable that you be a member of QCWA but this is not absolutely necessary. Letters should be brief (less than 300 words), to the point, signed and not contain slanderous or obscene remarks. Personal attacks are not acceptable. If you have opinions you would like to see in the Journal, write to the Editor, QCWA Journal. Letters may be edited (without changing the writers intent) and may be used subject to space availability.

COMMENTS WITH RESPECT TO

Full Minutes of Spring, 1988 Board Meeting QCWA Operating Expenses

The abbreviated minutes of the Spring Board meeting, published on p 7, make reference to the main items considered by the Board. Full minutes of the meeting run to 10 pages. Members who wish to receive a copy of the full minutes of the Board's Spring meeting may do so by sending \$1.00 to headquarters to help defray the cost of duplication and mailing.

QCWA operating expenses together with projected budget figures for 1988, are published in this issue of the Journal, Page 16. A copy of the original document together with a copy of the income for 1987 and the projected income for 1988 may be obtained by sending \$1.00 to headquarters to help defray the cost of duplication and mailing.

QCWA CHAPTER 136 - AUSTRIA

Emmerich Rath, OE3RE
A 3550 Langenlois PO Box 27

Beginning the new year 1988, I wish to all the best of the future, especially freedom in all the World!

The 27 MHz band is open and we hope to find many members on this band with afternoons about 1400 GMT being best for U. S. members to get into Austria.

The first Austrian meeting is scheduled for the last weekend of April in the "Osterrichi" days at Neuhofen (Lower Austria). In the summer of 1988 we will arrange a meeting in Carinthia OE8 for the "Alpen-Adria" days. The Alpen-Adria days are for meeting of OE8, YU and IV3. Hoping there are QCWA members in YU-land.

Best regards to all!!

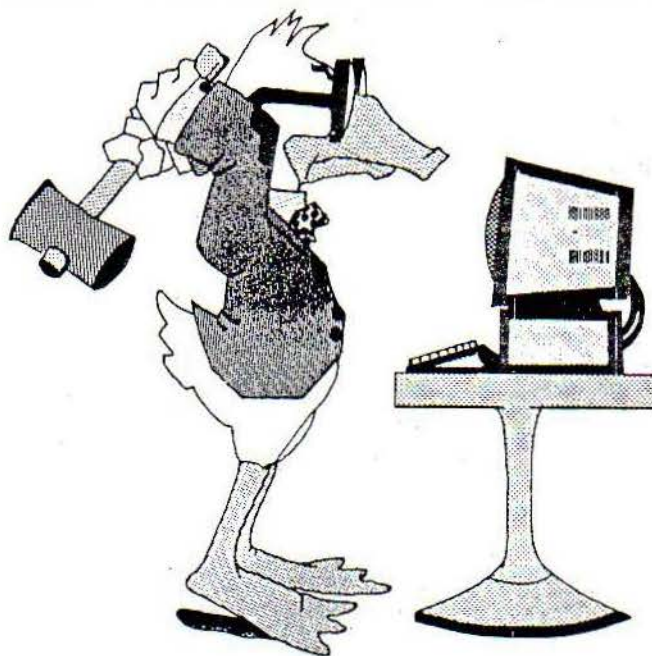
NORTHERN CALIFORNIA CHAPTER No. 11 of QCWA

Russell A. Estep, W6AUC
1469 El Camino Real, Belmont, CA 94002

Norcal Chapter held the annual luncheon on January 17, 1987, at the Spenger Restaurant in Berkeley. Thirty-eight attended.

Our new President for 1988 was elected - he is Roger Spindler, WA6AFT, living at 977 Park Pacific Ave., Pacifica, CA 94044. The Directors decided to hold our annual picnic in Marin County, at the cheese factory providing we can get a reservation. It will be sometime late in August or early September.

Several members were lost as Silent Keys during 1987.



'HIT ANY KEY TO CONTINUE'

BIG BEAR LAKE CHAPTER 164 of QCWA

Dick Slepicka, K6IFN
PO Box 828, Big Bear City, CA 92314

Big Bear Lake Chapter has held its first formal meeting, held at the home of Jim Nye. Officers were elected as follows:

Don Grantham, WA6BCN, President
George Duesler, W6DFF, Vice President
Dick Slepicka, K6IFN, Secretary
Jim Nye, K6GCF, Treasurer

The Chapter has prepared and adopted its Constitution and By-Laws, which have been transmitted to HQ, and made a permanent part of the Chapter's records.



Pictured above are those who participated in the special meeting. Back row standing, L-R are: Jim Nye, K6GCF; Don Grantham, WA6BCN; Dick Slepicka, K6IFN; George Duesler, W6DFF. Seated, holding the Chapter's Charter, Jack, Percy, W6OZW.

Chapter 164 meets on the air Sunday evenings at 7PM on the W6ZJU repeater, 147.33/93.

QCWA CHAPTER NEWS

MID-MICHIGAN CHAPTER No. 135 QCWA

John E. Hewitt, K8DHN
4310 Darron Dr, Lansing, MI 48917

Mid-Michigan Chapter 135 feels that we have achieved a first for QCWA Nets. In order to fully chronicle the event, a little background must first be given.

When it was first announced that special modifications of calls would be granted in celebration of the bicentennial of the Constitution of the United States, the Greater Lansing DX Group, which has within it's membership several of our Chapter members, applied for and received permission to modify the call WB8AAX to WB200AAX. The holder of this call, Ken Kruger, is not yet a member of QCWA. W8TJQ, Bill Chapman, offered to set as net control for our regular QCWA local net on Tuesday, January 27, with the call WB200AAX in order to give anyone checking in that evening, an opportunity to receive the special QSL card. The event was well publicized and we expected a large check-in that evening. When the date arrived, Bill (Who, along with another QCWA oldtimer, W8VPC, was out of town attending a cribbage tournament, so the net was handled by WB8AAX, using of course, the special call. As 8PM arrived, WB200AAX called the net to order on 146.4; it was a good night and the following were checked in: W8KLN; K8GHX; N8EST; W8EGI; K8DHGN; W1VIZ; K8AJC; W8SFA; W8RQS; W8VWY; K8BGZ; K8ZJU; K8SB; W8OC; WD8NOX; K8GVK and W8WLQ. It must be noted here that, although net control could copy all stations, the featured amateurs in what follows could not copy each other because they were using low-power HT's and at least one probably would not have checked into the net if it hadn't been for the special event call at net-control.

After checking in, each station was given a transmission for comments, news, or whatever they wished to convey. Things were normal, with no earth-shaking comments until net-control called for comments from K8BGZ. Dave requested net-control to relay a message to WD8NOX as he was not copying that station. Net control assured him that he would be glad to relay and asked for the

APPLESEED CHAPTER No. 117 of QCWA

Jack Novotny, K3CEW
973 Valley Dr, Ashland, OH 44805

The last meeting was held at Van Deck's Restaurant in Lexington, OH on October 8, 1987. Sixteen hams and 11 XYLs were present, including guests John and Mary Lehmen, W8MHO and WB8ZQL.

Chapter President, N8OF announced that the next meeting would be on December 11th at 6PM, at Park Village, in Shelby. The meeting will be featuring Christmas matters.

Following the meeting, Ken, KE8MA, presented a VCR tape on his ultra-light airplane hobby.

message. Dave (K8BGZ) keyed his microphone and said, "would you ask Joyce (WD8NOX) if she would like to have a honeymoon on Prince Edward Island?" WELL! we had, of course known that Dave and Joyce had been together at most of social events but we didn't know that he was going to make such an announcement at this time. Net control immediately passed the message and turned the net over to WD8NOX. The answer was almost certain: "Yes--yes and I guess I've got plenty of witnesses". As you have probably deduced, the subject for discussion on the net was now taken care of. We all know both Joyce and Dave and it couldn't happen to nicer people. Congratulations to you both!



Joyce and Dave are pictured above!

ATLANTA CHAPTER 49 of QCWA

Judson F. Whatley, W4NZJ
2156 Windsor Dr, Snellville, GA 30328

Atlanta Chapter 49 met on Saturday Evening, December 12, 1987, at Morrison's Cafeteria at Executive Park, in Atlanta, for our annual Christmas Party. After eating, a short business meeting was held. A slate of officers for the next two years was presented and unanimously accepted. The officers for 1988 are:

Marvin Ollendorf, W4HAH, President
Neal Foster, KC4MJ, Vice President
Judson Whatley, W4NZJ, Scty/Treas.

Members of the Board selected are: Stan Golden, K0JRG and Byron Lindsey, W4BIW.

Stan, K0JRG, the outgoing President, expressed his thanks for the cooperation by members and the outgoing officers for the two years of his term. He felt it had been a good and interesting two years. A door prize of a poinsettia plant was won by Neal, KC4MJ.

The program was presented by Byron, W4BIW, which was the new ARRL film, "The New World of Amateur Radio". The film was well received and it was felt that it did an excellent job of telling the story of amateur radio. Several Atlanta hams were in the film and many people viewed were well known by our group. Following this a short film on the Dayton Hamfest and the Georgia Tech Radio Club while in contact with Tony England, W0ORE, while in space! Santa Claus made an appearance and gave out gifts to the 34 persons present. Everyone was happy with their presents. The meeting adjourned at 8PM with best wishes to all the world for a Merry Christmas and Happy, Prosperous New Year!

YANKEE CHAPTER No. 112 of QCWA

Onie Woodward, W1ZEN
14 Emmett St, Marlboro, MA 01752

Yankee Chapter held their Christmas Party December 5th, with 40 members and guests attending, at the home of W1RCJ and W1ZEN. Everyone enjoyed Happy Hour and a very full buffet table - with entrees, salads, pickles, olives, rolls, etc., then finished with 'yummy' desserts. There was lots of QRM, but in between 'Santa' passed out the Gifts that had been placed under the Christmas tree as the guests arrived. After this the party began to break up, each lady took an Angel ornament and the OM's a bead Candle Ornament from the Christmas tree. It was a very happy and successful day - one member has even suggested that Christmas should come twice a year!

Yankee Chapter's Annual Meeting will be held April 23rd, in West Boylston, Massachusetts. We are also busy getting things lined up for the Boxborough Convention, October 1 and 2. Anyone interested in joining us can get in touch with the Secretary, Onie Woodward, W1ZEN, for full information.

U.S.A. Constitution



Bicentennial Station

QCWA CHAPTER NEWS

LONG ISLAND CHAPTER 81 of QCWA

Jay Altman, W2DX
44 Quail Run Dr, Deer Park, NY 11729

The Long Island Chapter was pleased to have as our guest speaker at the October meeting, the ARRL Hudson Division Director, Steve Mendelsohn, WA2DHF. Steve brought us up to date on some of the many matters with which he is concerned in his capacity as our Division Director and which affect all radio amateurs. The range of topics included PRB-3, issuance of call signs, constant pressure from other services and groups seeking amateur frequencies, QST magazine, amateur operator participation in public service events such as the popular New York City Marathon, and a recent innovation which will enable development of a curriculum to teach amateur radio in the New York City school system as an accredited course.

Mr. Mendelsohn warmed the hearts of the audience by presenting a plaque to Herbert Schmah, W2AHZ, on the occasion of the 50th year of ARRL affiliation of the Sunrise Radio Club of Freeport, LI, with which Mr. Schmah has been associated. Herb promised to make copies of the certificate to present to those officers of the old club and he hopes he can locate those still alive and kicking.

Our chapter was also favored by the presence of John Weber, KA2IXW, President of our neighboring Founders' Chapter No. 46. John advised us of the Northeastern Conference of QCWA Chapters whose purpose is to stimulate increased interest in QCWA activities in our section of the Country.

The nominating committee, chaired by our faithful Dave Winter, W2AUF, railroaded the present group into another term for next year; Irv Filderman, W2EAZ, as Chairman; Jay Altman, W2DX, as Vice Chairman; Mark Lo Bosco, W2YTR, Secretary and Andy Cola, W2VZQ, as Treasurer. Trustees for the ensuing year are: AE2Z Kate Saul: W2AHZ, Herb Schmah; W2OEJ, Arnold Tarallo; K2YEW, Norm Wesler; WA2DIN, Robert Reed, our newest Trustee who has already proven his worth by contributing many door prizes. Mike Orofina, W2KO, will furnish his expertise and guidance, being our immediate past Chairman.

UPPER MIDWEST CHAPTER No. 8

John L. Hill, W0ZWW
2838 Lake Blvd, N St Paul MN 55109

After a satisfying dinner and lots of eye-ball QSOs, Jim Whittaker, Chapter President called the meeting to order at 7:15PM. The meeting was attended by 47 members and guests. Each person in attendance then introduced him/herself. The Treasurer reported a balance on hand of \$499.18.

The President read a humorous poem about radiomen, and a number of announcements were made, including a communication from K6EA, now celebrating his 89th birthday. John Bravis, W0EKS, reported that the membership committee had

GUNDERSON PENN-JERSEY CHAPTER No. 33 of QCWA

Allen R. Breiner, W3TI
212 Race St, Tamaqua, PA 18252

Chapter 33 held its first official business meeting on Saturday, November 14, at the Still Inn Restaurant at Tranquility, NJ. There were ten members and fourteen guests present. After a fine dinner, the membership elected officers for the year 1988. Those elected were:

J. W. Richardt, Jr, W2WIY - President
John Davanzo, W3IDD - Vice President
Allen R. Breiner, W3TI - Secretary
Arthur R. Muscher, WB2RAG - Treasurer

The constitution and by-laws were read and minor changes made to suit membership after which they were adopted. A copy will be provided HQ as soon as copies can be prepared.

The only order of business was to determine the next place of meeting, scheduled for March 26, in Northeast Pennsylvania. Plans are to hold two regular business meetings each year and an annual picnic in the summer. The Penn-Jersey QCWA bulletin will be printed about three times annually. As to other activities we shall publish them as they are developed.



The picture above was taken at one of the monthly luncheons - held each first Wednesday of the month at Mt Bethel Inn, at Mt Bethel, PA. All are welcome!. Standing L-R are: WA2YNO, WB2RAG, W2DGE, W3TI; seated, L-R are: WA2LHX, W3APF, W2WIY, W3IDD!

Aside from our original 25 charter members, we took in two new members, making the count now at 27!

TWIN STATE CHAPTER No. 146 of QCWA

Ted Everett, W1ALE
162 Centre St., Concord, NH 03301

Our chapter now meets every other month at various places in New Hampshire and Vermont. The last two meetings, November, 1987 and January, 1988, were held at Lebanon, NH which seems to be a central point for our Chapter membership.

At this writing, our next meeting is planned for March 19, at Nashua, NH, near a ham flea-market being held the same day. This will be the farthest south we have ever met.

The Twin States Chapter, formed in 1983, now has 57 paid up members. Our net is every Sunday morning at 0830 local time on 3897, with an average of 17 checking in. We welcome other QCWA members to check in, or to be with us at our bi-monthly Saturday luncheons.

mailed invitations to attend the meeting to 40 eligible amateurs. However, on show of hands only one of those was present. After a short discussion of the matter, Nord Onstad, WB0YHQI, volunteered to coordinate efforts to contact each of these prospective members before the next chapter meeting.

A drawing for three door prizes was followed by a short intermission. The meeting reconvened and Bob DeWilde, WB0YNH, presented a comprehensive explanation of amateur TV systems and practices. His explanations were accompanied by demonstrations of both fast and slow scan systems, using both black/white and color. A lively discussion about the apparatus required for amateur TV operation ensued, and a transmitter unit was passed around for inspection. The presentation ended with a video tape of a clinic conducted by the local ATV group to measure the gain of their various 439 MHz antennas.

QCWA CHAPTER NEWS

CITRUS CHAPTER No. 45 of QCWA

Don Fisher, W4PLA
143 Hilltop PL, Altamonte Springs, FL 32701

On December 16, 1987, several youngsters gathered at the shack of W4PLA, to visit with Santa via amateur radio and television. Thanks to special atmospheric conditions (and help of the OARC Television Repeater, and the QCWA 2-meter FM repeater) the kids were able to talk to and see St. Nick with mostly "snow-free" reception. The band conditions help up just long enough to get those important last-minute requests logged in. While watching on 425.25 MHz, we could see Santa, (who closely resembles W4DPM) with shelves of tools, nuts and



bolts, and various other parts for making toys in the background. At one point Santa brought out his famous book for checking the behavior of certain viewers. One unexpected treat was getting to see Mrs. Claus (who closely resembles W4DPM's XYL) straightening the jolly old elf's cap. The young viewers were really delighted getting to meet Santa this way, as were their parents. The cooperation of the regulars of the Wednesday night OARC Amateur Television Net and the QCWA repeater gang is appreciated by all participants.

WATCH FOR YOUR 1988 QCWA ELECTION BALLOT, DUE MAY 30, 1988

NIAGARAA FRONTIER CHAPTER No. 65 of QCWA

Kenneth R. Palmer, K2FJ
12750 Williston Rd, East Aurora, NY 14052

Niagara Frontier Chapter extends a warm welcome to new members:

Joseph Margarone, K2DSO
Roger Berry, W2RTD
Carmen Tona, W2LVZ

Along with the happiness, comes the sorrow of parting - the following have become Silent Keys:

Frank Saj, W2WLT
James Taylor, KC2U
William Harman, W2LGE

Visitors are welcome to attend our Chapter 65 Luncheon meetings at the Williamsville Inn, 5447 Main St, Williamsville, NY, every Saturday at noon. Also, check into our regular Sunday net on 3900 kHz, at 1:30 PM, local time.



In the picture above, L-R, are: Secretary, Ken Palmer, K2FJ; President Slim Griswold, W2SD; Dorie Griswold and Ann Palmer!

CROSS ROADS CHAPTER No. 163 of QCWA

Bill Hayes, N5HOF
211 O'Neal St, Pineville, LA 71360

Cross Roads Chapter 163 has long since held its organizational meeting at which time the Constitution and By-Laws were presented to the membership present. At that time election of Officers was held with the following being elected:

Julius Saucier, W5GKT - President
Tony Miller, W5BWA - Vice President
Bill Hayes, N5HOF - Secretary/Treasurer

The Chapter has filed a copy of its organizational meeting activities with QCWA HQ, as well as a directory of membership.



Pictured above, standing L-R are: WW5F; WW5K; K5HKG; K5ANK; W5TAC; W5ACRU; W5BAC; K5AG; K5KTV. Sitting, L-R are: W5BWA; W5GKT; N5HOF. Picture by Ed Auwaerter, K5KTV.

REMEMBER, THIS IS THE LAST ISSUE OF THE QCWA JOURNAL BEFORE THE 1988 ELECTION BALLOT IS MAILED. WATCH FOR IT LATE IN MAY AND MARK AND MAIL IT IMMEDIATELY BEFORE YOU FORGET!

QCWA CHAPTER NEWS

SAN DIEGO CHAPTER No 14 of QCWA

Bob McDonald, K6VB
1029 Hemlock Ave, Imperial Beach, CA 92032

The first meeting of 1988 was held Sunday, January 10, at the Admiral Kidd Officers Club at the San Diego Naval Training Center. We had a good turn-out with sixty-two members, spouses and guests attending. The New Officers for 1988 were introduced and assumed their duties:

George T. Mitchell, K6ZE, President
F. K. Bernardini, K6UV, Vice President
Cory G. Cook, K6ACY, Treasurer
R. L. McDonald, K6VB, Secretary

Bob Frye, W6JWU, and Chuck Taylor, W6EBX, were re-appointed as Chapter representatives to San Diego Amateur Radio Council (SANDARC). Bob, who has been the Chapter Representative for several years, gave a brief description of SANDARC which is the coordinating organization for fourteen radio clubs in the San Diego metropolitan area. The following visiting QCWA members were introduced: Charles Jackson, SV0AA and Len Yerger, K6SS, from Upland, California.

A report was given by "Smitty" Carter, WA6JQM, on the national convention wrap-up. All outstanding bills have been paid, including charges for printing performed by QCWA Headquarters and the five-hundred dollar startup fund provided by QCWA Inc. An audit of the convention financial records was performed by an audit team consisting of Art Smith, W6INI, and Sybil Allbright, W6GIC, both members of the San Diego Chapter but not involved in convention planning or execution along with George Mitchell, K6ZE, incoming Chapter President and Smitty Carter, WA6JQM, convention committee treasurer. The report of the audit team was satisfactory and the convention account was closed and remaining funds transferred to the Chapter general account.

George Mitchell, K6ZE, provided the program by giving an excellent slide presentation covering the making of the movie "Too Late the Hero" which was made in the Philippine Islands back in 1970, starring Cliff Robertson and Michael Caine. George took the slide pictures during the filming of the movie and his first hand narration added a personal touch to the slide presentation.

EL PASO CHAPTER No. 64 of QCWA

Pollard "Bill" Rogers, K5TLU
801 Galloway Dr, El Paso, TX 79902

The new 1988 officer of Chapter 64 are President Gerald McTernan, W5YV; Vice President, John Dunsmore, W5DTP and Secretary-Treasurer, Bill Rogers, K5TLU. President McTernan has a 70-year QCWA Certificate! 1988 is the 15th Anniversary of the founding of Chapter No. 64. Among the activities planned for 1988 is a banquet celebrating the founding of the Chapter and honoring all the Charter Members of the Chapter.

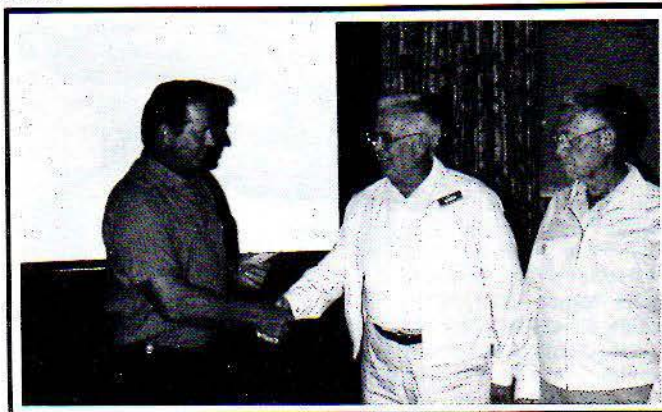


Shown in the Picture above, L-R: Director George Nail, K5GSA; President Gerald McTernan, W5YV; Secretary Bill Rogers, K5TLU; Director Bill Raue, K5KKO; Vice President John Dunsmore, W5DTP.

DEL-MAR-VA CHAPTER 150 of QCWA

George S. Williams, W3PVO
703 Marshall St, Milford, DE 19963

At the September 27, 1987 meeting of Del-Mar-VA Chapter No. 150 at Oliver's meeting House, in Milford, the members present voted to give a cash gift to the Delmarva Amateur Radio Club of Salisbury, MD, in appreciation for the use of their 2-meter repeater on Sunday mornings at 9:00 AM.



Pictured above, L-R are: Bill Haight, W3BKN, President of Chapter 150 presenting the gift to Bud Kilgore, KX3J, President of Delmarva Amateur Radio Club. Looking on is George Williams, W3PVO, Secretary/Treasurer of Chapter No. 150. Photo by T. Allen Phillips, W3DOG

NOTICE

WW-II USMS/Merchant Marine Radio Operators Organization to have national reunion in San Francisco in May, 1988. Did YOU train or do you know of SOMEONE who trained at the USMS Radio Officers Training Station on Gallups Island, Boston, MA, during WW-II? Contact G. I R A., CM-42, PO Box 1211, Coralles, NM 87048

PIEDMONT CHAPTER No. 126 of QCWA

Ellicott Valentine, K4JO
4495 Bashavia Wayside, Pfafftown, NC 27040

This last 1987 quarterly meeting was held in Winston-Salem, NC, at one of the local Western Steer Restaurants, with about 23 members and their XYLS present, on December 5, 1987.

Those assembled were asked to observe a moment of silent prayer for our Treasurer, Ray Low, W1VMD, who became a silent key in November. Ray was one of our Charter Members and was always active in the affairs of our Chapter. He will be missed by all.

As is our custom, after the luncheon, the program was presented. This was a very excellent video presentation of the ARRL's latest production "The New World of Amateur Radio". This new video was very well received by all and is recommended for any viewer. After the program, the business meeting was held while some of the XYLS went shopping at the nearby Hanes Mall. This was our election meeting and the following Officers were elected to serve in 1988:

C. Weldon Fields, W4AJT, President
Henry Elwell, N4UH, Vice President
Ellicott Valentine, K4JO, Secretary
Harvey Adams, W1YJ, Treasurer

Two new Board members were elected - Bill Overman, K4SNF; Ed Naher, K8YFR. The immediate Past President, Chuck Brydges, W4WXZ and the Secretary, Val, K4JO, make up the remainder of the Board.

Our Sunday 9AM Net on 3935 is going strong with the quarterly report showing 25 different calls and an average attendance of just over 12 per meeting. The next Chapter meeting is tentatively set for March 12, 1988, at Greensboro, NC

QCWA CHAPTER NEWS

LEO MEYERSON CHAPTER 154 of QCWA

Mildred J. Bruner,
56282 Gold Nugget Rd, Yucca Valley, CA 92284

On Saturday, February 20, 1988, at the Indian Wells Country Club Restaurant, 110 members and guests gathered together for our second annual meeting of the Leo J. Meyerson Greater Palm Springs Area Quarter Century Wireless Association Chapter No. 154. The weather was beautiful and we had an outstanding buffet luncheon and a marvelous speaker and program.

Mr. John W. Swancara, WA6LOD, was introduced. He is employed by Hughes Aircraft Company as a Senior Project Engineer with the Space and Communications Group, Satellite Ground Equipment Laboratories. John was a member of the ground crew on the Voyager, an experimental aircraft which recently made a trip around the world in nine days, without refueling. John was active in the preparation, the flight and the communications and return. Slides were shown with a very interesting commentary by Mr. Swancara, and he held us spellbound with his material and delivery for his 45-minute presentation.

The Voyager is now in the Smithsonian Institute in Washington, DC, alongside the Spirit of St Louis and other notable aircraft and space vehicles.

QCWA Golden Anniversary Award Certificates for 60 years in Ham Radio for Leo Meyerson, W0GFQ; 65 years for Bert Ayers, W6CL were presented. Ray Furlong, W6QIL, had received his Golden Certificate earlier in the year.

NOTES ON NOMINATION BY PETITION

Elsewhere in this issue of the Journal, you will find a story about the QCWA Nominating Committee, appointed by the President and approved by the Board of Directors, who are charged with assembling a slate of candidates for election in the 1989 election. (Note that nominations for the 1988 election to be held during the summer of this year, are already completed). All nominations for any election must be completed and transmitted to the Secretary of QCWA no later than the 31st day of the year preceding the election. This means that nominations by the Nominating Committee as well as any nominations by member petition for the year 1989, must be in the Secretary's hands by December 31, 1988.

If you or your Chapter have viable candidates for the offices of President, Vice President, Secretary or Treasurer, or for the five offices of Director which will be open in 1989, you may circulate a petition. It must be signed by no less than 50 members of QCWA in good standing. The petition will be checked for validity by the Secretary, and if all is in order, the name of your candidate will be officially entered in the election. QCWA urges you to work with the Nominating Committee, and if necessary, circulate a petition to nominate your candidate(s).

Forms suitable for circulation as a petition may be obtained free of charge from QCWA Headquarters.

PEARL HARBOR MEMORIES

Andrew J. Bartilucci, W2NKC
115 Roosevelt St, Garden City, NY 11530

On the afternoon of December 7, 1941, I was copying CW from what I believe was AP or UP Press from McKay Radio on Long Island, New York. The message which was repeated over and over again read:

"PEARL HARBOR BOMBED THIS IS NO PRACTICE RAID."

At the time I did not know where Pearl Harbor was, nor the significance of the message so I put on the broadcast receiver and shortly heard the news. Next day, after hearing W1AW, the station was shut down for the duration.

I would appreciate hearing from anyone who can verify the transmission of the message and its origin.

CLUB PROGRAM IDEA

HQ has received word of a special project of great interest to many of we old-timers. As a project to observe his 60th year as a Ham, Fred Western, VE3FYW, is building a replica of his first station, NC3BP! It will be complete with a 210 transmitter (Hartley), blooper receiving, power supply with soup-jar rectifiers, wavemeter, etc.

Fred has indicated that he will demonstrate live for interested clubs at no charge. Contact Fred at Box 113, Beaverton, L0K 1A0, ON, Canada or via ONTARS, or 705-426 9781.

Chapters in various sections of the Country might have a member willing to undertake a similar task, and thus provide a most interesting program for chapters within easy travelling distance. Such a program would interest old and young alike!

- W5EJ -

CLEVELAND CHAPTER No. 1 of QCWA

Robert E. Bloor,
24338 Smith Ave, Westlake, OH 44145

On January 18, 1988, the Cleveland Chapter No. 1 held the first meeting of 1988. About 70 Chapter members, their XYs and guests had an enjoyable lunch at Dimitri's restaurant in Parma, OH. Following the luncheon our Chapter Chairman, A18M, conducted a short business meeting which included presentation of the President's Award to W8EFW for his long and distinguished service to the Chapter. W8AVH, W8GDQ, W8KGX, W8LE, W8LV, W8MH, W8RYR, W8SZ AND W8UYN were presented with citations for 50 or more years in Amateur Radio. Our past Chairman, W8MMC, installed the 1988 Officers: A18M, Chairman; W8WGO, Vice Chairman; W8LYD, Secretary; W8QKO, Treasurer. Two new members of the Executive Committee were announced - W8OXA, Net Control for the weekly 2-meter Net, and W8WAB, Curator of the Chapter's memorabilia. This puts the Executive Committee to a total of 12 members consisting of: W8ADW, K8BB, W8EFW, W8KCG, W8LYD, A18M, W8MMC, W8OXA, W8QKO, W8UYN, W8WAB and W8WGO.

It was announced that the Chapter would have a table at the Northern Ohio Amateur Radio Society Winterfest and all members were invited to stop in and have an eye-ball QSO. After the business meeting our Program Chairman, W8WGO, introduced Ms Lora Ray, who represents the Arthritis center at Case Western Reserve University. She presented a very informative talk on Arthritis.



The picture above, shows four members and their XYs who were in attendance at the January 18 luncheon. All are Executive Committee members. L-R, they are: W8UYN, W8LYD, K8BB and W8WAB.

QCWA CHAPTER NEWS

DELAWARE VALLEY CHAPTER No. 5

R. V. McClelland, W3OOJ
2442 Radcliff Ave, Roslyn, PA 19001

A dinner meeting was held this date at the Buck Hotel, Feasterville, PA, with 30 members and their ladies attending. Roast Turkey or Broiled Flounder was the bill of fare, and was enjoyed by everyone.

After dinner activities included an election of Officers as follows: Fielding Waters, W3DIP, Chairman; Ti Bean, W3DJD, Vice Chairman; Marvin Foral, W3QGC, the incumbent Treasurer was re-elected. Dick McClelland, W3OOJ, Acting Secretary. After the election, the new officers were installed, and the meeting continued. There was a lengthy discussion as to how we would go about stimulating more interest among the members of the Chapter. BB Wentzel, W2HX, gave a very interesting talk on his association with Princeton University during WW-II, and the part he played in the development of telemetering and the proximity fuse. BB also stated that the Germans didn't have the slightest notion that the proximity fuse had been developed and was in use.

It was also mentioned for the record, that we had five members that became Silent Keys during the year: John Wolf, W3IMU; Ted Lange, W9CFO; Steven Meyer, W2GQF; Eddie Braddock, W1XV; and Max Salmonsohn, W3JZ.

Pres Funk, W3MFY, of Hamtronics, Inc, of Trevoise, PA, donated a nice selection of door prizes, which was much appreciated by the winners! The next meeting will be in the Spring, date to be announced.

INLAND EMPIRE CHAPTER 130 of QCWA

Bob Rickey, NF6P
8532 Red Hill CC Dr, Rancho Cucamonga, CA 91730

Chapter 130 held its fall/winter luncheon meeting November 21, 1987, at Antonio's Restaurant in Ontario, CA. It was decided to hold our election of officers by mail so that more members could participate. This was subsequently done and the majority of our members sent in their ballots. Officers were elected to serve terms for the calendar years 1988-1989. Walter R. Joos, W6EKM, was elected President and Robert G. Rickey, NF6P, was elected to continue as Secretary-Treasurer.

Our spring meeting, always a major event for Chapter 130, will be held at the Officer's Club, March Airforce Base, CA. Repeater directories will be given as door prizes to members and a corsage will be given to each of the ladies as a surprise gift to show our appreciation for the support they have given us in the pursuit of our hobby. Two members will give short talks: Oscar Sanden, K4EH, retired Navy captain, will tell us about the fun and red tape associated with operating amateur stations aboard ships. Irvin McNally, K6WX, will give a talk which will be a follow-up to his article, "Remembering Our Pioneers" which appeared

on Page 103 of the Winter 1987 QCWA Journal.

Our regular on-the-air meetings are held at 8AM local time, Saturday mornings on 3862 kHz. We have held more than 390 consecutive meeting since receiving our charter. Visitors are welcome!

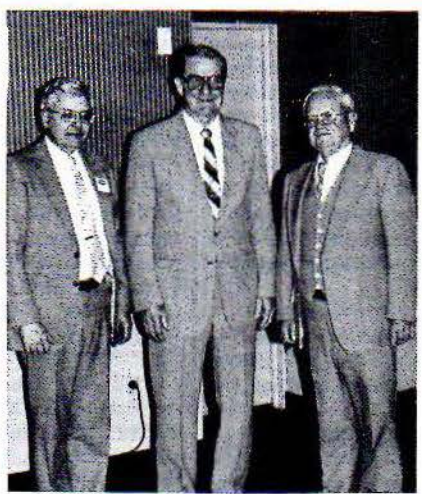
AKRON CHAPTER No. 39 of QCWA

Mike Underwood, W8AFP
3748 Northview Dr, Stow, OH 44224

The Akron Chapter of QCWA met on October 22, 1987, for a dinner meeting at Saniniti's Restaurant, in Akron, with 38 members and guests present. At this meeting we held our election of Officers. The result was as follows:

Mike Underwood, W8AFP, President
Joe Conn, K8ZPF, Vice President
Bill Hessler, W8DXT, Secretary/Treasurer
Jim Trutko, W8EXI, Director
Chet Rataski, K8GRO, Director

Two new members were received into the CHAPTER. The are: Jim Millar, KD8JI and Steve Kolodey, W8NWM.



Shown in the picture above, L-R, are: Mike Underwood, W8AFP; Joe Conn, K8ZPF; Bill Hessler, W8DXT.

The meeting closed with showing slide pictures of different equipment used in listening to the emissions from the Solar System, by Lou Laurich, W8SNF, a very interesting presentation.

CENTRAL ILLINOIS CHAPTER No. 59

John Vasicak, W9ZEN
124 N Glen Ave, Oglesby, IL 62348

On a night dedicated to witches and goblins, October 31, 1987, fifty-three members and guests of the Central Illinois Chapter 59 of QCWA, were holding their Fall dinner meeting and election of Officers. Myer's Homestead, in Metamora, IL was the location for this festive event. Following a get acquainted session, dinner was served and the

business meeting got underway.

John, W9ZEN, President got things rolling as he started the introduction of those present. This was followed by routine business and the presentation of the slate of candidates for Officers for the next two years. W9ROK, acting as Chairman of the nominating committee presented a slate which was accepted by the body, and for the years 1988\1989. The following members were elected: KV9A, President; W9FEM, Vice President; W9AO, Secretary/Treasurer.

Highlight of the meeting was the presentation of QCWA Golden Certificates, the 50 Year and the 50 Year Continuously Licensed certificates being presented to Andy Chismar, W9TAY, and to Elton E. Heubach, W9AO.

To wind up the meeting, prizes were awarded to lucky participants, and a location for the Spring meeting to be held March 26, 1988 was chosen. This is to be held in the Oglesby area with a slide presentation of his recent trip to Poland and Czechoslovakia, by W9ZEN.

SPACEPORT CHAPTER No. 66 of QCWA

Spencer Allen, K0REC
6401 Azure Ln, Cocoa Beach, FL 32931

Nineteen members and guests were present at the November 14, 1987 meeting of Chapter 66, with Bob Stewart, K6ETB, presiding. Following the Secretary's and Treasurer's reports, Program Chairman and Vice President, Orton Duggan, W4EQE called on Bob Baird, W9NN, to give a report on the proceedings of the QCWA National Convention in San Diego last month. Bob gave a complete and entertaining dissertation on the Convention and displayed his Founding Member Award, given to all 12 surviving members of the original 1947 QCWA group. The device is an old-time spark-gap, chrome plated and mounted on a marble base with a personalized inscription.

President Stewart noted our by-laws, amended in 1984, call for all elected officers to serve two-year terms. There being no objections or nominations from the floor, all officers elected in 1986 agreed to serve another year.



Shown above, Stuart Meyer, W2GHK, presents Jack Kelleher, W4ZC, with the Radio Club of America Certificate commemorating his election to the grade of Fellow in the RCA!

QCWA CHAPTER NEWS



Chapter 41, L-R, Walt Wiederhold, W5OGZ, Golden 55; George Ahrens, W5JN, 65 Year Golden; Jerry Stover, WSAE, Golden 55 Year Award!

NORTHERN NEW JERSEY CHAPTER 77 of QCWA

Carl A. Felt, Jr., N2XJ
8 Charles Pl, Chatham, NJ 07928

Forty members and guests attended the Winter Luncheon of Chapter 77, Northern New Jersey Chapter, which was held at the Afton, Florham Park, NJ on Saturday, March 19, 1988.

Carole Perry, WB2MGP, was the guest speaker. She is a school teacher who has brought amateur radio into the classroom at Intermediate School 72, on Staten Island. A gifted teacher and a dedicated radio amateur, Carole has combined her expertise in both fields to develop a curriculum which stimulates interest in learning in all students--from the most gifted to the most un-motivated.

The audience hung on Carole's every word as she described in detail how she used amateur radio to introduce a new subject to the 350 - 400 6th, 7th and 8th graders, who have taken "Introduction to Amateur Radio" since the course was started in 1983. It is not just a Novice course. Rather, it's a full-credit course which exposes the youngsters to a scientific field in a novel way. And, amateur radio, itself, is used to spur real interest in other academic subjects, such as geography. And, despite what we hear about our schools these days, Carole Perry has no discipline problems at all.

Carole Perry, named "Ham of the Year" by the Dayton Hamvention last year, will be the speaker at the QCWA Chapter No. 9's annual banquet on April 28. If you happen to make Dayton this year, don't miss the QCWA Banquet. There's only one Carole Perry, WB2MGP!

The regular officers' meeting will be held on Wednesday noon, April 20, at the Mountain Side Inn, Clifton, NJ. Plans will be finalized for the Spring Field Trip and the Summer picnic. All members are invited to attend.



Carl Felt, N2XJ with Carole Perry, WB2MGP

VIC CLARK (W4KFC) CHAPTER

AWARD CEREMONIES

At the QCWA Annual Convention in October, 1987, plaques were presented, one posthumously to Vic Clark, W4KFC, electing him to the QCWA HALL OF FAME, the other to Ethel Smith, K4LMB, electing her to the QCWA Roll of Honor. Vic's plaque was accepted by Jack Kelleher, W4ZC, Vice President of Vic Clark Chapter and Ethel's plaque was accepted by Stuart Meyer, W2GHK, Past President of QCWA and also a member of Vic Clark Chapter.

At the regular meeting of the Chapter on February 13, Jack presented Vic's Award to Hester Clark and her son Victor. They are pictured immediately below:



Above, Stuart Meyer, W2GHK, presents the ROLL OF HONOR AWARD to Ethel Smith, K4LMB.

FLORIDA KEYS CHAPTER No. 147 of QCWA

Jean B. Desautels, K4VGD
616 N Silver Circle, Key Largo, FL 33037

The officers elected from Florida Keys Chapter 147 for 1988 were as follows:

G. Milton Scheidel, WN4N, President
Fred R. Clark, K4ET, Treasurer
Rich W. Anderson, WA4J

Librarian and keeper of Club property, Carle F. Bumpus, K7EI. We are a small group, starting out with seventeen members. Two dropped out and two became Silent Keys, leaving us with 13 members at present. Meetings are held 6 times annually, December through May. 95% of our members are "snow birds".

QCWA CHAPTER NEWS

AUGUSTINE GIRONDA, W2JE, HONORED

The Council of Northeastern Chapters of QCWA held its organizational meeting on October 14, 1987. The meeting, held in New York City, featured ceremonies honoring Gus Girona, W2JE. Gus, who for many years worked for QCWA and now for OOTC, is a legendary figure.....no one is able to write of all of the work done by Gus for QCWA, for OOTC, for Amateur Radio. If he was to be awarded an honor daily we could still not catch up. To Gus, Congratulations, old buddy, and "watch out for the swinging doors".



Pictured above, L-R, are: Harry Moore, W2JQS, President of CONEX; "Uncle Gus, W2JE, receiving the CONEX Man of the Year Award and; Max deHenseler, HB9RS, Secretary of CONEX.

QCWA STANDING COMMITTEES

April 8 - 9, 1988, Irving, TX

COMMITTEE	CHAIRMAN	ASSISTANTS
1. CHAPTER ACTIVITIES	El Charlton, W5MD	Travis Baird, W9VQD Fred Hammond, VE3HC Lew McCoy, W1ICP Wes Randles, W4COW
2. AUDITING FINANCE & INVESTMENTS	Jack Kelleher, W4ZC	
3. QCWA RECOGNITION AWARDS	Hugh Winter, W5HD	Wes Randles, W4COW
4. CONVENTION COORDINATION (Includes Manual)	Wes Randles, W4COW	Esther Given, W6BDE
5. FCC LIAISON	Stuart Meyer, W2GHK	John Kelleher, W4ZC Lew McCoy, W1ICP Ted Heithecker, W5EJ
6. MUSEUM LIAISON	Stuart Meyer, W2GHK	
7. CONSTITUTION & BY-LAWS	Hugh Winter, W5HD	Leland Smith, W5KL Lew McCoy, W1ICP
8. INTERNATIONAL ACTIVITIES	Fred Hammond, VE3HC	Jack Kelleher, W4ZC
9. MEMBERSHIP	El Charlton, W5MD	Jim Walsh, W7LVN Ted Heithecker, W5EJ
10. NOMINATIONS 1989	Joe Moskey, W1JMY Pat Stewart, W7GVC	Mary Ollendorf, W4HAH Dave Willemin, A18M
11. PUBLICITY	Esther Given, W6BDE	Lew McCoy, W1ICP Wes Randles, W4COW
12. SCHOLARSHIP	Leo Meyerson, W0GFQ	Lew McCoy, W1ICP Esther Given, W6BDE Wes Randles, W4COW
13. OPERATING ACTIVITIES & AWARDS	Onie Woodward, W1ZEN	
14. AUDIO CASSETTE COORDINATOR	Blanche Randles, W4GXZ	
15. QCWA SSB NET	Herb Gleed, Jr., W6FQ	
16. QCWA CW NET	George Clark, W2JBL /Bill Wright, W9CV	
17. Audit Committee	Ernie Grant, W1GJX	John Bricker, W4EP2

Ad Hoc:

QCWA Headquarters Contingency Committee:
Jack Kelleher, W4ZC

QCWA-DEMOS Contract Review Committee:
Jim Walsh, W7LVN

HEADQUARTERS OFFICE EQUIPMENT
Jim Walsh, W7LVN
Jack Kelleher, W4ZC

Page 1

Jim Walsh, W7LVN
Wes Randles, W4COW

Wes Randles, W4COW
Travis Baird, W9VQD
Ted Heithecker, W5EJ
Wes Randles, W4COW
Lew McCoy, W1ICP

April 11, 1988

SUNCOAST CHAPTER 53 of QCWA

Mary Ryden, K8ONV

Our chapter has enjoyed an exceedingly busy season since last report to the QCWA Journal, with four monthly luncheon meetings and a special lunch during the Sarasota Hamfest. Every meeting was attended by between 73 and 93 members and guests!

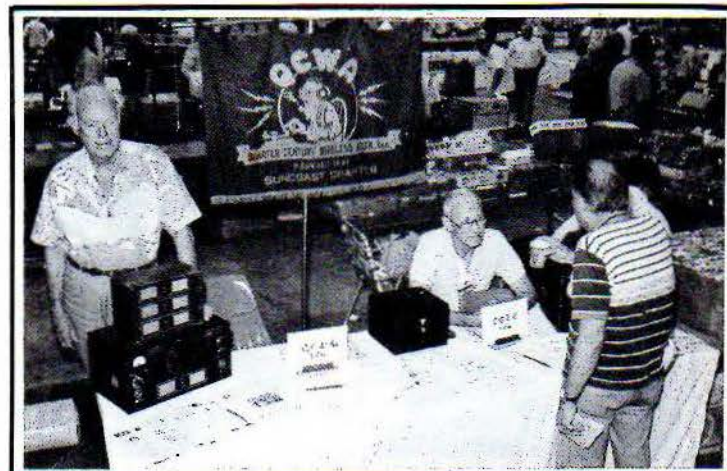
In November we honored Robert Bookwalter, W4NWF, last years chapter president, as our "Ham of the Month", and heard an interesting talk by Walter Pierson, W4OKI, on some of his experiences during early days of Broadcasting.

At the December meeting Robert Siff, K4AMG was announced as "Ham of the Month" and the speaker, Joe Keller, WD8JPF, discussed proper use of various types of coax and coax connectors. Guest, Wes Randles, W4COW, QCWA Treasurer, presented a brief report on the QCWA National Convention and delivered the Charter member's award of a spark-gap replica to Frank Lester, W4AMJ -- QCWA member No. 13.

Januarys "Ham of the Month" was Art Herrald, AA4AN, our Secretary/Treasurer and our speaker was President John Willig, W8ACE, who related some of his interesting experiences as a ham, including his meeting Dr. Yagi, the antenna expert. Our honored "Ham of the Month" in February was Corby Pratt, K4WV, who was first licensed in 1930, and who has been an active amateur since that time. The 93 members and guests present then watched the ARRL FILM The New World of Amateur Radio.

On February 20, for the first time in several years, Suncoast Chapter sponsored a very successful lunch at the Elks Club, in Sarasota, on the Saturday of the Sarasota Hamfest. Besides resting our feet for a couple of hours and enjoying a delicious lunch, we had the pleasure of hearing a talk, illustrated by slides, by Stuart Meyer, W2GHK, Director and Past President of QCWA. His topic was "The Changing World

The picture above, taken of the QCWA Booth set up and manned by Suncoast Chapter members at Sarasota shows, at left, Art Herrald, AA4AN and at right Frank Figarola, AF3E



of Amateur Radio". As there were 73 in attendance, we hope to continue this get-together as an annual Chapter activity.

QCWA CHAPTER NEWS

QCWW CHAPTER No. 120 of QCWA

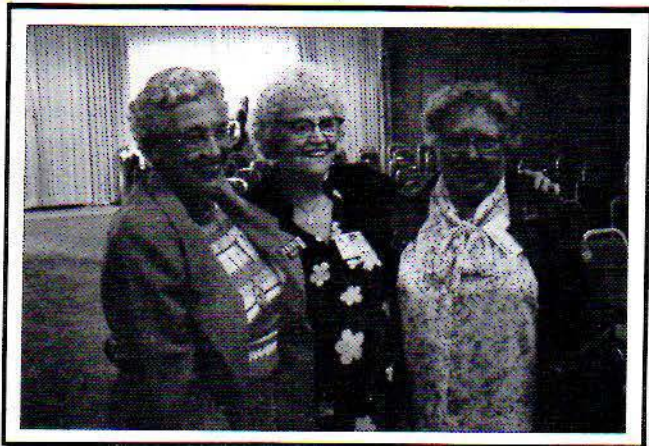
Ann Arnholt, K9RXK
11351 S 450 E, Elizabethtown, IN 47232

The yearly meeting of Quarter Century Womens Wireless was held on Saturday afternoon, October 31, 1987, at the QCWA Convention Grosvenor Inn, San Diego, CA. Twenty-four members were present with six different call areas represented. Vice President Mary Ryden, K8ONV, presided at the meeting.

Discussion was held regarding QCWA Lifetime Membership and it was decided to give it consideration and to vote on it by ballot in the next issue of Silver Sparks.

We were happy that one of our members, Helen Schmock, W8GJX, was honored at the QCWA Banquet as QCWA's first YL member. We were also honored that several Directors of QCWA were able to attend the meeting.

All the "goodies" before the meeting were appreciated by everyone, as well as all the fine fellowship. Thanks goes to those who did the work to make the meeting a success. We're looking forward to our next meeting at the QCWA 1988 Convention this Fall, in Virginia.



The picture above features those in the QLF Contest, at the Grosvenor. L-R they are: Mary, K8ONV, Helen, W8GJX, Mary W6VDP.

SKY TRACKING SKI-TREK

Most are well aware that the Canadian-Soviet polar expedition is under way. The expedition departed from Cape Arktichesky with plans to cross the north pole to arrive at Cape of Columbia, near Ellsmere Island. The event features radio-location techniques using coded beacons which will be picked up by satellites in the SARSAT/COSPAS program. Leonid Labutin, UA3CR, is the chief radio operator. He will utilize two emergency locator transmitters emitting coded material in the 406 MHz range. By analyzing the Doppler-shift of the transponded signals, it is possible to locate the position of the expedition within a few miles. From SARSAT/COSPAS the information is relayed to the University of Surrey in the UK, where the information is encoded into software that programs the UO-11 digitaler aboard the Satellite. Several times per orbit digitaler will announce, in plain english, the expeditions exact location. All the Expedition members need to do is tune in 145.825 MHz on miniature transceivers to know their exact location.

Information on SKI-TREK provided through the courtesy of Charles P Krause, N7ESJ, 6305 Hawthorne Ln, #1, Myrtle Beach, SC 29577

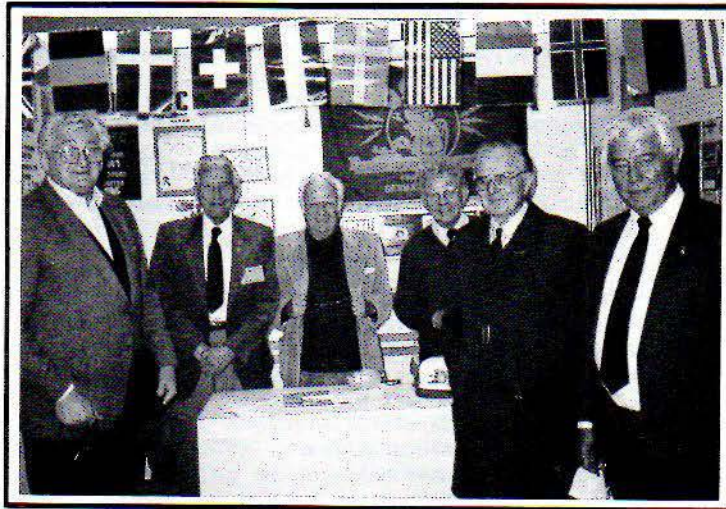
"Men are not always what they seem -- but seldom better!"

Gotthold Lessig

GERMAN CHAPTER No. 106 of QCWA

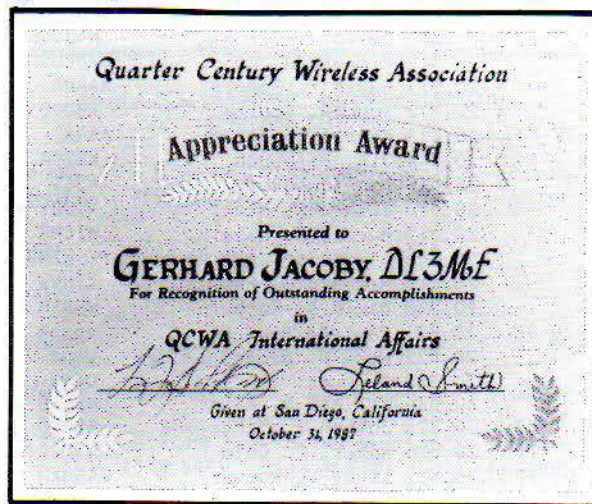
Gerhard Jacoby, DL3ME
Widdersberger Str 40, D-8136 Andechs, FRG

At the end of the season, INTERRADIO took place at Hannover's Exhibition Center. It is the usual hamfest and ham equipment show at the end of the year. QCWA and OOTC had a booth together and many of the 7000 attendants passed by. So the crew of the booth was really busy. The show took place November 6 -8, 1987, and on Saturday the 7th QCWA and OOTC had an informal meeting which was attended by about 30 members of both organizations, since most have double membership.



The picture above, L-R, has Otto, DL8AJ, President of Chapter 106; Gerhard, DL7PH, President of the European Chapter of OOTC; Gerd, DL3ME, former Director of QCWA and present Director to Europe for OOTC; Albert, DL9AR, Secretary of Chapter 106 and, Karl, DL1PE, President of DARC (the German Radio Club)....was it a summit? I say yes! (The second person left of left side of picture unidentified.

In other actions, the QCWA Board of Directors issued a Certificate of appreciation to Gerd, DL3ME, who served as Director for QCWA, attending meetings in the US. The Certificate is shown below!



QCWA AWARDS CHAIRMAN, HUGH WINTER, W5HD, ASKS THAT EACH CHAPTER AND EACH INDIVIDUAL OF QCWA CONSIDER NOMINATION OF DESERVING MEMBERS TO ONE OF THE QCWA MAJOR HONOR AWARDS. SEND YOUR NOMINATION TO HUGH. HIS ADDRESS IS ON PAGE 3 OF THIS ISSUE OF THE QCWA JOURNAL.

Members Newly Enrolled In Q CWA

07-01-87	20,761	Richard E Dyrack	K2LUQ	Staten Island, NY	-	KA21XW
07-06-87	20,762	Keith M. Newman	K5YCM	Fort Smith, AR	-	W5UAU
	20,763	Steve Woosward	W7AZF	Morro Bay, CA	-	-
	20,764	Olin D. Fox, Jr	K9AKG	Racine, WI	Richard R. Regent	K9GDF
	20,765	Ronald L. Friedman	K2VE	Huntington, NY	Frank P. Fix	K2AW
07-07-87	20,766	Karl Kneidinger	OE5CA	Ottensheim, Austria	-	-
	20,767	David A. Ericson	WC7Y	Casper, WY	-	-
	20,768	Timothy D. McInerney	N1EWZ	New York, NY	-	-
07-08-87	20,769	Jack A. Plane	K1JVJ	Niantic, CT	-	-
	20,770	Donald G. Swartz	W3GBG	Carlisle, PA	Glenn R. Kurzenknabe	K3SWZ
	20,771	Curtis S. Morris, Jr	K7KNM	Fairfax, VA	-	-
07-09-87	20,772	R.V. Evans	K7HLR	Clearfield, UT	Bill Vaughn	-
	20,773	Donald A. Lucas	W00MI	Boulder, CO	Wes Randles	W4COW
07-13-87	20,774	Robert L. Diesner	K2FYH	Wayne, NJ	Charles R. Meserean	W2ESW
	20,775	Page E. Taylor	K2QAR	Butler, NJ	-	-
	20,776	John C. Monroe	W7TXN	Seattle, WA	William D. Reuter	W7KT
	20,777	John F. Metz	K2MTU	Cortland, NY	-	-
07-14-87	20,778	Leroy Gary, Sr	WIDZU	New Britain, CT	Joseph A. Moskey	W1JMY
	20,779	Darrell W. Stevens	WA0EAY	Red Oak, IA	Bob Beals	K0DBW
	20,780	Joseph Randall	WB6X	Petaluma, CA	Tom Uhlmeier	WT6X
07-16-87	20,781	Roy R. Robinson	K4EDU	Augusta, GA	-	-
	20,782	Hugo Albert Gorenflo	WA2MVZ	Howell, NJ	-	W2RRX
07-17-87	20,783	Theodore R. Pfeiffer	K6OEF	Montrose, CA	-	-
	20,784	Robert W. Meyer	WA9AKT	Libertyville, IL	-	-
	20,785	Allan E. Richmond	N7AFU	Portland, OR	-	-
07-20-87	20,786	Joel J. Lejeune	W5TAX	Elizabeth, LA	-	K5DVQ
	20,787	Joseph C. Duncan	W4ECW	Chattanooga, TN	Charles E. Curle	AD4F
	20,788	R.C. Smith	W6RZA	Sepulveda, CA	-	-
	20,789	Charles D. Thomas	WA5CMB	Wichita Falls, TX	David I. Combs	W5VJW
07-21-87	20,790	Gary L. Leu	N0GL	O'Fallon, MO	-	-
	20,791	Richare H. Granzow	KA9YUZ	Neosho, WI	-	-
	20,792	Robert D. Dunn	K6ZTQ	Los Angeles, CA	-	-
	20,793	Gerald O. Alfred	W7JDP	Bothell, WA	Earl Thoms	W7DJ
	20,794	Alois Stirba	DL3AR	Erlangen, West Germany	A. Heinemann	DL9AR
	20,795	Rolf Meissner	DK5XM	Rammingen, West Germany	-	DL6MM
07-22-87	20,796	Mike Langner	K5MGR	Albuquerque, NM	Gary Diamond	-
	20,797	Benjamin F. Allen	K51RO	Edmond, OK	Howard W. Baker	W5AS
	20,798	Arthur Haley	K1TCI	Kingston, NH	-	-
	20,799	Ernest C. Davis	N7AWW	Portland, OR	-	W5KL
	20,800	Lewis A. Melchick	N2RQ	East Meadow, NY	Frank P. Fix	K2AW
07-23-87	20,801	Eleanor G. Wolf	WA4ESS	Fort Pierce, FL	-	-
	20,802	William O. Anderson	W5UBU	Deming, NM	-	-
07-24-87	20,803	James R. Schlietett	K4AEK	Rome, GA	Jud Whatley	-
	20,804	T.E. Atkerson	W4RRW	Smyrna, GA	-	W5KL
	20,805	John O. Battle	N4OE	Woodstock, GA	-	-
	20,806	Morton Davis	KV2G	Alpharetta, GA	-	W4AZT
	20,807	Henry L Pennock	W4MZM	Macon, GA	J.H. Chase	W4TG
	20,808	Patricia Pennock	W4NKL	Macon, GA	J.H. Chase	W4TG
	20,809	David J. Orr	N4JVU	Fayetteville, GA	-	W4AZT
	20,810	Richard A. Golden	K8LOS	Falls Church, VA	W5KL	-
	20,811	David F. Rogers	AA4DR	Loganville, GA	Stan Golden	K0JRG
	20,812	John A. Squire	K3UPC	Erie, PA	-	-
07-27-87	20,813	Ronald K. Brown	AA4KT	Kingsport, TN	-	-
	20,814	J.K. Heimbuch	K8YDR	Millersburg, OH	Nelson M. Caley	-
	20,815	Don Sambol	K7CS	Littleton, CO	Bob Rudd	WBUT
	20,816	Edward E. Miner	W1ODY	Mansfield Center, CT	Joseph A. Moskey	W1JMY
	20,817	Murray E. Hale	N1CHG	Kingston, NH	-	-
	20,818	Alexander Carl Wagenfohr	W2NRL	Hudson, FL	A.S. Kuchare	W2EKO
	20,819	Richard G. Favreau	K1HVV	Sanford, FL	-	-
	20,820	David A. Rayburn	W5NSM	Hurst, TX	Hal Syptak	-
07-29-87	20,821	Paul Ed Branch	K3NON	Tavares, FL	-	-
	20,822	John W. Brosnahan	W0UN	Longmont, CO	-	-
	20,823	Ed Muns	W0YK	Loveland, CO	Glenn Schultz	W01JR
	20,824	Willard M. Eller	NH6IB	Wailuku, HI	-	-
07-31-87	20,825	Joseph E. Margarone	K2DSO	West Seneca, NY	-	-
	20,826	Robert E. Cole	K81ZK	Cincinnati, Oh	-	-
08-03-87	20,827	Leroy V. Roever	WASBXH	Wichita Falls, Tx	David I. Combs	W5VJW
	20,828	Herbert D. Maresh	W5YLH	Bixby, OK	-	-
	20,829	George L. Wallace	KE7YH	West Richland, WA	J. A. Avery	W7BGH
	20,830	Robert C. Hilker	K4PAD	North Palm Beach, FL	-	-
	20,831	Hank Wolfe	W2SIS	Pleasant Valley, NY	Ken Blascovich	WB2RWZ
	20,832	William Winder	K9IGQ	Lacrosse, WI	-	-
	20,833	Philip Bliss	W1DXT	Newington, CT	Joseph A Moskey	W1GMY
	20,834	Robert L. Vann	KQ4I	Raleigh, NC	W.L. Haues	W4AFM
	20,835	Charles R. Clifton	W8TIV	Beavercreek, OH	-	-
	20,836	Robert E. Hempy	W0KOW	South St Paul, MN	Marvin Mahre	W0MGI
08-04-87	20,837	Richard N. Beardslee	WA4MZI	Clarkston, GA	-	-
08-05-87	20,838	Robert K. Shady	KB9XR	Milwaukee, WI	-	-
08-06-87	20,839	Donald Korous	K9EJC	Bensenville, IL	-	-

Members Newly Enrolled In QCWA

08-07087	20,840	Robert E. Alexander	WA4KHD	Bristol, TN	Henry McDonald	K40JV
08-11-87	20,841	Kenneth L. Sargent, Sr	K4LFH	Warner Robins, GA	-	-
	20,842	Jack R. Dodd	K70IR	Kalispell, MT	-	-
	20,843	Earl Mathison	KE6KT	Lancaster, CA	-	-
	20,844	David Bell	W7RSJ	Worland, WY	Neil W. Zimmerman	NB7Q
	20,845	Larry R. Babb	K7NHA	Chubbuck, ID	Neil W. Zimmerman	NB7Q
	20,846	Gary D. Hogan	K7PDN	Salt Lake, UT	Neil W. Zimmerman	NB7Q
	20,847	Eva M. Karnatz	KC7RY	Sun City, AZ	Neil W. Zimmerman	NB7Q
	20,848	Kay E. Bills	K7CKF	Mapleton, UT	Larry Moore	W7NJU
	20,849	Eugene H. Epperle, Jr	W7JIL	Cody, WY	Neil W. Zimmerman	NB7Q
	20,850	Robert A. Rollins	WB7DPA	Salt Lake City, UT	Neil W. Zimmerman	NB7Q
	20,851	Robert A. Buhbe	N6NJH	Seal Beach, CA	-	-
	20,852	Albert H. Wilcox	W6GVI	Lakewood, CA	Ralph Held	K6QS
	20,853	Russel L. Burget	K80ZS	Waterville, OH	Norman C. Inman	K8LCW
08-13-87	20,854	Norman Lawton	VE3ON	Ajax, ONT	-	-
08-14-87	20,855	Leonard D. Policoff	K2ZLG	Berkeley, CA	-	-
	20,856	Walter E. Fescus, Jr	WA4JCS	Oxford, NC	-	-
08-17-87	20,857					
	20,858	Allan E. Matlick	W2TKU	Sarasota, FL	Art Herrold	AA4AN
	20,859	Elvin E. Todd	K7QPE	Salt Lake City, UT	Bill Vaughan	W7CKD
	20,860	Laurel O.E. Anderson	W9BTY	Fond Du Lac, WI	-	-
	20,861	Ronnie E. Moss	K7ENE	Rexburg, ID	-	-
	20,863	Lawrence E. Salisbury	W4LHI	Inwood, WV	-	-
	20,864	Nicholas C. Oland	W3DSE	Reading, PA	-	-
	20,865	Paul William Ussery	W2ZSN	Middletown, NJ	Philip B. Petersen	W2DME
	20,866	Maurice S. Brimer	K4YVX	Norfolk, VA	-	-
08-18-87	20,867	Walter D. Johnson, Sr	WA6HVU	Winchester, VA	-	-
08-19-87	20,868	George W. Yazell	W9EJY	Lakeland, FL	John R. Spark	W4LHP
	20,869	Stephen Gaspar	WA2QZD	Fort Lee, NJ	-	-
	20,870	Brooks Wayne Rettig	WA6ZTF	Ridgecrest, CA	Tord Berg	N6GOT
08-20-87	20,871	Fred R. Herr	W2EAV	Haddonville, NJ	-	-
	20,872	Ben P. Deovlet	W6FDU	Campbell, CA	-	-
08-21-87	20,873	John W. Beilfuss	N4CHO	Vienna, VA	-	-
	20,874	Louis Mathis	WB2APY	Redbank, NJ	-	-
	20,875	William H. King	W2LTJ	Florham Park, NJ	Frank P. Fix	K2AW
	20,876	Charles Alan Robertson	K8BLL	Stevensville, MI	-	-
	20,877	William D. Price	WA4MCZ	Bristol, TN	John Hawkins	W4TYV
08-24-87	20,878	Van B. Metcalf	KK4CM	Petersburg, VA	-	-
	20,879	Howard L. Leopold	WA2KSK	Bronx, NY	-	KU2IXW
	20,880	Walter A. Plonka	W1JVK	Taunton, MA	-	-
	20,881	Eugene H. Triebolo	KE0FB	Leeds, ND	-	K0ERM
	20,882	Gerald Gysler Parker	K0GPX	Fargo, ND	-	-
	20,823	James H. Harrington, Sr	W5SLY	Minden, LA	John S. Macfarlane	K5WWR
	20,824	Vernon R. Perry	K5MEB	Magnolia, AR	John S. Macfarlane	K5WWR
	20,885	Thomas A. Henderson	K4CIH	Tuscaloosa, AL	John S. Macfarlane	K5WWR
	20,886	Harry Cook	W5HFQ	Monroe, LA	John S. Macfarlane	K5WWR
	20,887	John J. Wallace	K5APB	Minden, LA	Bill Fritz	W5BZR
	20,888	Jimmie H. Reynolds	W0ONV	Shreveport, LA	John S. Macfarlane	K5WWR
	20,889	Harry Harvie	KB7CHH	Albany, OR	Fred Dickson	-
	20,890	Oral J. Jones, Jr	W3DXG	Silver Spring, MD	Frank P. Fix	K2AW
08-26-87	20,891	David B. Vernooy	N5JKS	Waco, TX	G. M. Erickson	W5POG
	20,892	Robert L. Risacher	W4NNL	Kennett Square, PA	-	-
	20,893	David Richard Crocker	AJ7Z	Phoenix, AZ	-	-
08-27-87	20,894	Steve Rumpf	AE5H	Jackson, MS	-	-
	20,895	William Edward Thackham	KB4TTD	Fort Walton Beach, FL	Margaret Brown	W5TXK
	20,896	Jerry L. Phillips	K14CV		John Zwaska	-
08-28-87	20,897	Philip A. Gizzi	W5VVK	North Canton, OH	Ely M. Zandonini	W3CDQ
	20,898	Richard C. Koch	W0WNY	Denver, CO	Paul L. Hughes	W8UIL
09-01-87	20,899	Frederick C. Gantzer	W0AWD	White Bear Lake, MN	-	-
	20,900	Roger C. Berry	W2RTD	Lehigh Acres, FL	-	-
	20,901	Ronney G. Powning	W6BTF	Lakewood, CA	Tord Berg	N6GOT
09-03-87	20,902	Arden L. Ebert	W0WTE	Tomahawk, WI	-	-
	20,903	Albert M. Bazar	K2DUB	Ocala, FL	Adis M. Henry	W4FPJ
	20,904	Fred S. Tattersall	W4NXM	Winston Salem, NC	Elliot Valentine	K4JO
	20,905	Robert G. Pohlmann, JR	W3YMS	Ocean City, MD	-	W3DOG
	20,906	Kenneth R. Geist	K9GYW	Roy, WA	-	-
	20,907	Daniel G. Dietz	WM6M	San Jose, CA	-	-
09-08-87	20,908	Jorge Mestre	N4QAJ	Fairfax, VA	-	-
	20,909	William L. Wright	KB4VK	Huntsville, AL	Eugene B. Weaver	W4UKQ
	20,910	Albert M. Wilson	VE3BJZ	Waterloo, Ontario, Canada	-	-
	20,911	Vernon W. Jackson	KF5P	Tulsa, OK	-	W5FU
	20,912	Beverly B. Wahnish	K6LUU	Alhambra, CA	Tord Berg	N6GOT
	20,913	Robert L. Lightner	WA4PWF	Gainesville, FL	-	-
	20,914	Charles B. Eder	W6LOE	Citrus Heights, CA	Paul Wolf	W6RLP
	20,915	Jeffrey John Pipenur	WA8IKW	Warren, OH	-	-
09-10-87	20,916	Fred L. Holt	K2EZY	Front Royal, VA	Perry F. Crabill, Sr	W3HQX
	20,917	Herbert G. Luckritz	N5JOG	Alamogordo, NM	-	-
	20,918	James D. Brown	K7LGS	Bountiful, UT	-	-

Members Newly Enrolled In QCWA

09-11-87	20,919 Bobby L. Hunt	WA5AFL	Seabrook, TX	-	-
	20,920 Michael G. Harris	N6MH	Brea, CA	Hugh Raymond	K7PVF
	20,921 Joe W. Salsman	KE6CX	Redwood City, CA	-	-
09-14-87	20,922 Gordon West	WB6NOA	Costa Mesa, CA	Blanche Randles	W4GXZ
	20,923 Logan G. Groomer	KL7EKI	Wasilla, AL	-	-
	20,924 Richardo H. Nabor	K9GYO	Chicago, IL	-	-
	20,925 Tom L. Sawyer	K0THI	Eldora, IA	-	-
	20,926 James H. Wiide	K1JOD	Tiverton, RI	Onie Woodward	W1ZEN
	20,927 Rudolf Lex	DJ4JT	Arnsberg FRG	-	DL9AR
	20,928 Rolf Knorr	DF1XI	Reken FRG	-	DL9AR
	20,929 Werner Moehle	DJ3VC	Everode FRG	-	DL9AR
	20,930 Pomrenke, Wolfgang	DL6TL	Braunschweig FRG	-	DL9AR
	20,931 Richard L. Winslow	W2DAP	Chatham, NY	-	KA21XW
	20,932 Thomas E. Kelley	WA20GU	Patterson, NY	Onie Woodward	W1ZEN
	20,933 Bruce B. Collisson	VE6BAC	St Albert Alberta Canada	Charels Tyrell	-
	20,934 James R. Kerns	N4PYQ	St Oliver Springs, TN	Robert S. Embry	W4HHQ
09-15-87	20,935 Nelson A. Watkins	KB0YE	Salisbury, MO	-	-
	20,936 Allan T. Mallek	K9WVM	Stevens Point, WI	Robert E. Baird	W9NN
09-16-87	20,937 Marc Cadoff	K1HLP	Hull, MA	Onie Woodward	W1ZEN
	20,938 Robert W. Robinson	N7JGC	Polson, MT	-	-
09-17-87	20,939 Owen C. Hawkins	W4LZR	Palm Beach Gardens, FL	-	-
	20,940 J. David Bonham	K4DPG	Abingdon, VA	-	W4TLA
	20,941 Howard F. Johnson	W9DJJ	Kokomo, IN	-	W5KL
	20,942 James E. Thomas	KA3JDD	Harrisburg, PA	Glen R. Kurzenknabe	K3SWZ
09-18-87	20,943 Dick Warren	K6OBS	San Diego, CA	-	-
	20,944 George F. Clay	WA2RRK	Garrison, NY	-	W2LAP
	20,945 Harold J. Ellner	K7SMY	Richland, WA	-	-
	20,946 John G. Kurzenknabe	K3UKO	Camp Hill, PA	Glenn R. Kurzenknabe	K3SWZ
09-21-87	20,947 Betty E. Hartzig	W7CPV	Grants Pass, OR	Leland Smith	W5KL
	20,948 Anthony G. Quadrine	NX2H	Mamaroneck, NY	-	-
	20,949 Joseph George Chaet	W1RGH	Sun City West, AZ	Lew McCoy	W1ICP
	20,950 David A. Sackett	K4ZZB	Darlington, SC	Ruth Chance	K5YL
	20,951 Arthur E. Sowers	W4PON	Grasonville, MD	Walt Brink	W3WPY
	20,952 Curtis Fred Jones	WA4SWF	Louisa, KY	Val Valentine	K4JO
	20,953 Robert K. Story	W1RS	Westbrook, CT	George Spamer	W1DPR
	20,954 Howard H. Helberg	WA0DUN	Bloomington, MN	Avery Finn	K0HLA
09-22-87	20,955 Theodore T. Southworth	KA9WFG	Naperville, IL	-	-
	20,956 Asel C. Briggs	W6CTS	Yucca Valley, CA	Bruce Peterson	W6JWL
09-23-87	20,957 William H. Jones	N2FWS	Clinton, NY	-	-
	20,958 Devere B. Swenson	W7JJD	Salt Lake City, UT	Bill Vaughn	-
	20,959 Jim Pierce	KB6TGK	Lamont, CA	-	W6TRP
	20,960 Wayne L. Hughes	W5KGF	Crockett, TX	Roy Miller	W5FOZ
	20,961 Gerald A. Grant	WB5R	Lubbock, TX	-	-
09-24-87	20,962 Arthur Weinschenk	WA8JTM	Romulus, MI	-	-
	20,963 Nathaineil March	W4LLM	Miami Beach, FL	Arthur Rauch	W4VZ
09-25-87	20,964 William A. Baeten	K0PIZ	Bloomington, MN	Ray Johnson	W0JE
	20,965 Robert E. Wech	W3ZKL	Mechanicsburg, PA	Glenn R. Kurzenknabe	K3LWZ
	20,966 Michael Vore	W3CCV	Columbia, MD	-	-
09-28-87	20,967 William O. Hider	N3RR	Rockville, MD	Frank Fix	K2AW
	20,968 Alton J. Rapin	WA8BVP	Escabana, MI	Ted Heithecker	W5EJ
	20,969 Craig A. Hill	K3PLV	Erie, PA	G. Paul Gerbracht	W3QPP
	20,970 John G. Greenlaw	K1EZZ	Bristol, CT	Milt Chaffee	W1EFW
	20,971 Travis D. Flatt	W5IXQ	Albuquerque, NM	-	-
	20,972 Alyan Ray Hill	KB5SF	Albuquerque, NM	-	-
	20,973 James M. Vardeman	W5Y	Albuquerque, NM	-	-
	20,974 Joseph Binder	W9VLH	Stevens Point, WI	Frank L. Guth	W9BLL
09-29-87	20,975 G. Michael Palmer	K8LG	Morgontown, WV	Jim Mc Ewen	W8GVL
10-01-87	20,976 Peter J. DeLellis	W1IQS	Torrance, CA	-	K1NKR
	20,977 Roger J. Snowdall	W0KWJ	Raytown, MO	William McGrannhew	K0ORB
10-02-87	20,978 Bill Homann	K0HQE	West Des Moines, IA	Al Smith	W0PEX
	20,979 Winton Teston	K4JDB	Thomson, GA	-	-
	20,980 Jerry M. Brown	N4EQ	San Antonio, TX	Louis J. Kocurek, Jr.	W5VIV
	20,981 Craig A. Stewart	K7SKP	Seattle, WA	Pat Stewart	W7GVC
10-05-87	20,982 John H. Shaffer	W3SST	York, PA	Leland Smith	W5KL
	20,983 Clyde D. Coulson	W3JNT	Hanover, PA	George W. Moran	W2DGZ
	20,984 Harry F. Sieber, Jr	NG3X	Wrightsville, PA	George W. Moran	W2GDZ
	20,985 Andrew James Gillespie	K3DCC	Thomasville, PA	-	-
	20,986 Barry Halterman	KJ3X	Reamstown, PA	G. Herigston	W3GWS
	20,987 Frank Bair	K3GDI	York, PA	G. Hergiston	W3GWS
	20,988 Arthur U. Hinman	WB2CYK	Hummelstown, PA	G. Hergiston	W3GWS
	20,989 Guy L. Clippinger	W3CRL	Dallastown, PA	-	W5KL
	20,990 Edward A. Lukas	K3KYU	Kingston, PA	-	W5KL
	20,991 Dennis L. Cooper	K3NVI	York, PA	George W. Moran	W2DGZ
	20,992 George H. Gable	W3WDO	York, PA	George W. Moran	W2DGZ
	20,993 Harry L. Herres	WA9DYL	Fond Dulac, WI	Richard Regent	K9GDF
	20,994 Frank M. Dukat	K6NL	Los Altos, CA	Emil F. Scholz	W1EJI
	20,995 Harold M. Dunn	K8UDO	North Canton, OH	-	-
	20,996 Joseph M. Kozak	WA2CJO	Augusta, ME	-	-

Members Newly Enrolled In QCWA

	20,997	Walter B. Wilson III	KJ4VQ	Huntsville, AL	-	-
	20,998	Wayne Edward McGuffin, Jr.	K7TCL	Pasco, WA	Del Avery	W7BGH
	20,999	A.D. Widdows	W7JKC	Pasco, WA	-	-
	21,000	J. Barry Brewer	WA5DTK	Universal City, TX	-	-
	21,001	Joseph W. Lutz	W7LPF	APO American Embassy, NY	-	-
	21,002	Thomas M. Middleton	WB4CKY	Miami, FL	-	-
	21,003	Joy L. Middleton	KB4OMW	Miami, FL	-	-
	21,004	Louis R. Huber	W7UU	Seattle, WA	-	-
10-06-87	21,005	Donald R. Muncy	K7SLA	Goos Bay, OR	Jim Walsh	W7LVN
10-07-87	21,006	Tom McLachlan	W5MIV	Greenville, TX	Leland Smith	W5KL
	21,007	William R. Dade	W2HGI	Hillside, NJ	Frank Wojcik	W2SNJ
	21,008	Edward H. Kirby, Jr	W3YQJ	York, PA	R.A. Shaub	W3AXC
	21,009	Burton Willner	W6ITB	Jacksonville, FL	-	-
	21,010	Lawrence J. Filzen	WB4CGD	Orange Park, FL	-	-
	21,011	Andrea T. Parker	K1WLX	Niantic, CT	James W. Parker	K1VII
10-08-87	21,012	Frank Edward Reisdorf	KB1UV	Topsfield, MA	-	-
	21,013	George B. Meserole	N2AGO	Lake Cleveland, NY	Howard Beard	-
	21,014	Dennis W. Crabb	WB0GGI	Denison, IA	-	-
	21,015	Edward P. Gellender	WB2EAV	Bayside, NY	Frank P. FIX	K2AW
10-09-87	21,016	Glenn D. Lund	W9QOM	Lombard, IL	-	-
	21,017	Sandra Jean Jorgenson	KL7JAR	Duluth, GA	Ted Heithecker	W5EJ
10-12-87	21,018	Victor H. Berger	W3TDO	Wilmington, DE	R.T. Harding	W3JEE
	21,019	Thomas K. Tamashiro	W7LRZ	Idaho Falls, ID	Gerald F. Warner	W7RH
	21,020	Ed Juge	W5T00	Burleson, TX	Ruth Chance	K5YL
10-13-87	21,021	Earl Reaser Homan	K6YGH	Monrovia, CA	Elmer Frantz	W3FQS
	21,022	Kenneth L. Simpson	W8EK	North Canton, OH	-	-
	21,023	Patrick W. D'Ostilio	K0YPV	Des Moines, IA	John W. Ferrel	W0DYN
10-14-87	21,024	David A. Olsen	W6PSS	Chula Vista, CA	Leo Meyerson	-
10-15-87	21,025	Thomas M. Webb	WA9AFM	Midwest City, OK	-	-
	21,026	Virgil E. Belford, Jr.	W0EZG	Great Bend, KS	-	-
	21,027	David H. Hohlfield	W0KFS	Wichita, KS	-	-
	21,028	Jeff Skinner	NN7C	Tucson, AZ	-	-
	21,029	Raymond C. Richardson	K00A	Lyons, KS	-	-
	21,030	E. Lawrence Oldfield	WA9RTE	Glen Ellyn, IL	Leland Smith	W5KL
10-16-87	21,031	Edward B. Berisford	WA4KMA	Huntsville, AL	W.D. Owens	W4YXW
	21,032	Calvin A. Simsen	W7WXW	Grandview, WA	-	-
	21,033	George A. Hancock	AA5CI	Florence, MS	-	-
	21,034	James E. Wallace	W4NYC	Huntsville, AL	Marion Gibson	W4LHR
10-19-87	21,035	Bryan B. Madsen	KQ7R	Littlefield, AZ	Douglas Vutler	-
	21,036	Richard D. Hammond	WA4YDS	Novalto, CA	-	-
	21,037	John Leath Padgett, Jr.	N6PWS	Willits, CA	Marin Sonoma	-
	21,038	Loren C. Spoonemore	K7MGD	Dayton, WA	-	-
	21,039	Carol Hoke Kernats	NS9L	Verona, WI	-	-
	21,040	John C. Lee	WD8QYB	Vero Beach, FL	W.R. Staples	W4SME
	21,041	Robert L. Morgan	WA2BJW	Huntland, TN	Charles C. Rupp	W4HIY
10-20-87	21,042	Charles A. Sweeny	W3CCY	Loquanton, PA	Paul J. Eck	K3UWJ
	21,043	Rodger C. Phillips	KJ8M	Temperance, MI	-	-
10-22-87	21,044	James Orndoff Headlee	KJ4B	Robersonville, NC	Doug Sanders	K4QO
	21,045	Donald F. Thomas	W1HQM	Torrington, CT	-	W1FXQ
	21,046	Bernard L. Fogle	K3FM	Running Springs, CA	-	-
10-26-87	21,047	Thomas P. Anselmo	W1NYY	Wethersfield, CT	-	W1DPR
	21,048	Joel E. Bachmer	W2HPB	West Lawn, PA	Al Brailer	W3VQC
	21,049	Lester Keith Dulaney	W6NFO	Saint George, UT	Bill Vaughan	W7CKD
	21,050	Warren C. Dennis	K0BND	Fairfax, IA	John W. Ferrel	W0YDV
	21,051	James A. Davis	NQ0G	Kimberling City, MO	Leland Smith	W5KL
10-27-87	21,052	Ron Acheson	K8KBN	Grand Rapids, MI	-	-
	21,053	A. Elisabeth Acheson	K8KCD	Grand Rapids, MI	-	-
	21,054	Anthony Musero	K3UKW	Philadelphia, PA	-	-
	21,055	Allen R. Breiner, Jr.	K3NYX	Tamaqua, PA	A. Vewiner	W3TI
	21,056	Franklin D. Mitchell	K8IDX	Sebring, FL	E.F. Daughtrey	NS4R
	21,057	Rudolph A. Dietz, Sr.	W8KKB	Kearneysville, WV	-	-
10-28-87	21,058	G. Norman Burnett	K8ZJC	Maumee, OH	-	-
	21,059	Richard J. Law	K0NU	Orange Park, FL	-	-
10-29-87	21,060	Robert C. Tapper	N0IMH	Denver, CO	Glenn Schultz	W0IJR
10-30-87	21,061	Robert S. Tomblin	N7JXT	Saint George, UT	Bill Vaughan	W7CKD
11-01-87	21,062	John K. Wood, Jr.	K6IIS	Fontana, CA	Tord Berg	-
11-02-87	21,063	Richard D. Kirby	W4GFB	Dumfries, VA	Jerry L. Phillips	K14C
	21,064	Gary J. Youney	KD5CL	Sussex, NJ	-	-
11-03-87	21,065	James L. Randall, Jr.	WA5BEN	Richardson, TX	-	W5HYK
11-05-87	21,066	Howard E. Clement	N6IEO	San Diego, CA	-	-
11-09-87	21,067	A.W. Mills	KA5LYQ	Fort Worth, TX	-	-
	21,068	Roger C. Albiston	W1GBQ	Orleans, MA	-	-
	21,069	Jerry N. Ventre	AA6EN	Diamond bar, CA	-	-
	21,070	Quentin S. Hoahal	W3UCC	Bel Air, MD	-	-
	21,071	Archie H. Carpenter	NS8D	Bradenton, FL	-	-
11-10-87	21,072	Loren Douglas Ryno	K6RMF	Tucson, AZ	-	-
	21,073	Rudolph J. Keller, Sr.	W9RKA	Wheaton, IL	-	-
	21,074	Otis Wayne Nix	WA4ILA	Lewisburg, TN	-	-

Barney's Antique Exchange

Managed by Barney Moffatt

W5CJZ

5714 Trail Meadow Drive, Dallas, Texas 75230

Quite a few QCWA Members are interested in the old-times and have suggested that we keep this vehicle to permit QCWA members to swap parts, information and so search for a special bit or part needed to restore, rebuild or go from scratch on old equipment. Barney's Exchange has been popular in this role for more than four years now.

Barney has kept records and corresponded as required to coordinate the whole thing. Whatever you might need in the way of parts, or information, send your requirement to Barney. He'll see that it's published herein, and help in every possible way to see you get those needed items. A few rules for operation of the exchange have been published since the beginning:

- (1) List what you have (or need) clearly
- (2) List what you will accept in trade
- (3) List your asking price if not trade is possible
- (4) If you advertise, hold merchandise for those who will read the Exchange column
- (5) Answer all inquiries

There is no cost to QCWA Members, neither QCWA, its officers, Board of Directors, manager or other agents assume responsibility for loss or misrepresentation to anyone.

WANTED: Copy of SERVICE manual (not the operating manual) for CLEGG FM-28 2-meter transceiver. I'll gladly pay for costs of copying.

William Turner, W2WV
200 Starcrest Dr #163
Clearwater, FL 34625

WANTED: BOEHME or CREED tape reader for use with 1/2" wheatstone perforated tape from Kleinschmidt Morse perforator. Please state price and condition.

Bob Bowker, K6QT
Rt 1, Box 255C
Payette, ID 83661

WANTED: Vertical Vibroplex! Contact

Dick Randall, K6ARE
1263 Lakehurst Rd
Livermore, CA 94550

WANTED: Crosley "Pup" one-tube rcvr, with or without tube;

FOR SALE: Crosley "Trirdyn" 3-tube rcvr (201-A) in working condx with pwr supply and interchangeable.....offer? and, "Rembert" tube tester. Tests from 112A to 280's, 4 & 5 prong tubes only, uses two Weston mtrs, circa 1930 & VOM.....offer?

Hugh Turner, W6SCV
1470 Pastel LN
Novato, CA 94945

FOR SALE: Weston AC-DC milliammeter (15 mA) Model 370, Laboratory type, electro dynamometer, .25 of 1% accuracy, wood box 10.5 x 8.25 x 6 inches. Make Offer

Harley L Christ, W9ALU
RFD 1
Lowpoint, IL 61545

WANTED: Bell System Technical Journal, issue of September 1959 and November 1978. Will purchase entire year if desired.

Joel Ekstrom, W1UGX
PO Box 59
McLean, VA 22101

WANTED: 80-meter bandspread coil for pre-war HRO and VFO for Harvey-Wells Bandmaster

Dale L. Martin, W7LOG
2021 153rd Ave, SE
Bellevue, WA 98007

WANTED: LOW POWER CW XMTRS; WRL CW-1, Philmore NT-200; Walter Ashe, WAT-25; Meissner 2-CW; Globe Chief Deluxe; Lafayette Voyager; Matric Model 50 QRP; Kantronics Rockhound QRP and Kantronics 8040B SW receiver. Top dollar for excellent to mint units.

Gary Wagner, K3OMI
1124 Oak Hollow Rd
Knoxville, TN 37932
615 690 4217

WANTED: Drake VFO, RV75!

Meyer A. Minchen, AG5G
1753 North Blvd
Houston, TX 77098
713 622 6161

FOR SALE: National HRO-50T1. This rcvr is in excellent condx and is complete with 7-coil sets and accessories. NBFM adapter and 100/1000 kHz calibrator. Chassis is clean, set is operative in all respects, all tubes have been tested.

Fred A. Linn, W9NZF
5608 Edgewater Dr
Cedarburg, WI 53012
414 377 3280

HAVE--1922 edition "The Radio Amateur's Handbook", by A Frederick Collins, published by Thomas Crowell Co, 1922. Hardbound in good condition. Make dollar offer

J. Harvey Chase, W4TG
PO Box 160
Gray, GA 31032

WANTED--Clegg Interceptor "All Bander"; National MCS speaker; DAVCO DR-30; amateur receivers from the 1930s, early catalogs, manuals and literature for National Products.

Steve Barnes, K6PFW
848 North Silverwood
Upland, CA 91786

WANTED--Metal cabinet for Collins 51J-2 receiver. Cabinet is 21 1/8" wide, 12 1/4" high, 13 7/8" deep and will accept a panel 19 inches long and 10 1/2" high.

James B. Reid, W5HGL
656 East Madison
Houston, MS 38851

SEE YOURSELF--in mirror finish of stunningly beautiful antique yellow brass Blue Racer, like brand new with four red knobs. Send one dollar for catalog sheets listing this bug and forty other telegraph items and enthusiastic testimonial letters plus telegraph pictures. \$20 item FREE with Blue Racer. Bunnell Side-Swiper - \$129.00!

W. C. Hess, W6CK
Box 19
Pasadena, CA 91102

FOR SALE--the following items from my collection: 1) Hammarlund HQ-170 receiver, mint condition - \$150; 2) Heathkit Apache Transmitter, mint condition - \$100; 3) Globe Chief Transmitter, good condition - \$75; 4) Barker-Williamson Model 361 CODAX keyer/paddle units (have 3) condition, New-\$50 each; 5) National HRO 5TA1 receiver, complete with power supply, speaker, manual and A,B,C,D coils - \$175; 6) Gonset G-60 Six meter transceiver, mint condition - \$85.00. You pay UPS charges on all items not picked up locally.

Bud Tamm, W4YID
304 South 18th St
Allentown, PA 18104

FOR SALE: Hallicrafter SX-99 receiver with R-46B speaker in matching metal cabinet. Looks good! SW bands need alignment. Just think, a Model 99 for \$99.00, complete with matching speaker

Joe Bonnett, W5III
6214 Bandera Ave, Dallas, TX 75225
214 361 0527 or 214 828 0101

FOR SALE: Rare antique Atwater-Kent 5-tube breadboard battery radio, Model 10, with five 201-A tubes in near mint condx-\$750.00. Set is delicate to ship, would appreciate a pick-up, if possible

Leo Gibbs, W8BHT
701 Brookfield Rd
Kettering, OH 45429
513 299 3965

URGENTLY WANTED: Lysco 600 or 600S, running condx, or repairable. Please write and quote your price.

H. J. Kaufmann, Sr, W4GFL
PO Box 5103
Columbia, SC 29250

WANTED: Manual or any info on the APX-6 Transponder. National FB-7 Preselector. Any National "Dog House: power supplies - in any reasonable condx

Paul Gregg, W9POC
725 College Way
Carmel, IN 46032

WANTED: Military version of Hammarlund Super-Pro, BC779. Need not be working, power supply not required

George Kasdorf, Sr W9FSA
RD 3, Box 251
Lewistown, PA 17044

WANTED--prop pitch motors, manuals, copies of articles, etc.

Joseph Marshall, K2AU
147 Middleville Road
Northport, NY 11768

FOR SALE: Weston AC-DC mill iometer (15 mA) Model 370, Laboratory type, electro dynamometer, .25 of 1% accuracy, wood box 10.5 x 8.25 x 6 inches. Make Offer

Harley L Christ, W9ALU
RFD 1
Lowpoint, IL 61545

HAVE old Weston Model 547, Sn 1771 tester in fair shape, meters intact, should work. An item for collector or museum - make an offer!

Carl E. Watson, W1NV
PO Box 114
Boothbay, ME 04537
207 633 3828

FINGER LAKES CHAPTER No. 29 of QCWA

Joseph P. Molinaro, W2FUU
7640 Sandy Ln, N Syracuse, NY 13212

Chapter 29 held two important business/luncheon meetings recently. The first was for election of officers, held in October. Those elected for the year 1988 are:

Joseph P. Molinaro, W2FUU, President
James M. Mozley, W2BCH, Vice President

Joe, W2FUU, will act as Secretary/treasurer until we are able to fill this very important position.

QCWA Golden Certificate with 65 year endorsement was presented to K2CV, Nort Shofstall, and Bob Dome, W2WAM, during our January 29th meeting. Applications for QCWA and Chapter membership were given to John Soergel, WA2DGC; Dick Erhardt, WA2FWW and Clark White, W2WWP. Local interest and growth in our chapter is certainly gratifying.

Ike Hathaway, W2IH, our NCS gave us a rundown of 2-meter informal net activity. Ralph, W2AXW, has been a regular on the net and from two to as many as six have checked into the net on an occasional basis. Pete Peterson, W2OBM, has offered us the use of his repeater (147.06) for net activities. However, to avoid confusion, we will continue the net on simplex (147.495), Wednesday evening at 8PM local time, then move to the repeater if necessary. The Chapter thanks Ike, Ralph and Pete for their interest and participation.

A moment of silence was observed during the October and January meetings in respect for Fred LaVoice, WB2PZI and Fred Lauderborn, N2SY, who became Silent Keys on October 6th and January 24th, respectively. Both will be missed as frequent guests to our Chapter luncheons.

Chapter dues is now optional. We originally established dues to be \$2 annually to cover administrative expenses, postage, etc. Cooperation has been great. We wish to thank everyone for their notes and generous donations to keep the Chapter financially strong.

NORTHEAST INDIANA CHAPTER No. 159

Howard Knepper, K9KAL
PO Box 455, Auburn, IN 46706

QCWA Chapter 159 held it's 4th meeting of the year on Sunday, December 13th. Officers present were:

Jim Sellers, K9ZBM, President
Virgil Dunkin, WA6OIZ, Vice President
Howard Knepper, K9KAL, Secy/Treasurer

One guest, Homer Evans, WA9ALY, attended and became a Chapter member.

With the Holidays close at hand, all were in a "Holiday Mood" and enjoyed the fine dinner served. Our next meeting is scheduled for March 13. Visitors are always

SHENANDOAH VALLEY CHAPTER No. 137

Perry F. Crabill, Jr, W3HQX
449 Milam Dr, Winchester, VA 22601

The Shenandoah Valley Chapter #137 of QCWA met on Wednesday, March 16, 1988, at Jimmy's Restaurant in the Holiday Inn, Rte 50 East of Winchester, with 26 members and guests present. A Social hour at 5:30 PM was followed by dinner orders. President Walter Johnson, WA4HVU, opened the meeting by the introduction of guests who included: David Burns, WA3WHR, from Derwood; William Grenfell, W4GF from Annandale; Frank Tayler, KE4KF; Clifford Kitts, KD4TZ, President of the Shenandoah Valley Amateur Radio Club.

Roy Cartier, K4AC, was presented with his Golden Anniversary Award in recognition of being licensed 50 years ago as W9MUD. Perry Crabill, W3HQX, received a Meritorious Award from the Chapter for his untiring efforts on behalf of QCWA and amateur Radio. Clifford Kitts took part in the program by reading a letter of congratulation to Perry from Ted Heithecker, W5EJ, General Manager of QCWA. Walter Johnson presented flowers to Pearl Cartier, Roy's wife, and Harriet Crabill, Perry's wife, in recognition of their continued tolerance of their husbands hobby.

The speaker for the evening was John Kanode, N4MM, Vice Director of the Roanoke Division of the American Radio Relay League, and former director of QCWA. John talked about current and future activities of the League, and reported on the board meeting held at the end of January

PRB-3, concerning management of the assignment of amateur call signs was still awaiting FCC action a week ago. United Parcel Service has filed late comments regarding the allocation of a portion of the 220 MHz band for non-amateur services. A TV polling service is proposing use of the 220 MHz band with 50 watt transmitters at participants television sets. A project for renovating ARRL Headquarters station W1AW envisions upgrade of station equipment, repairs to the building and added operating centers for visiting hams. The VEC program is being modernized, and will now allow field stocking of examiner's materials.

A pilot program in the Tampa/St Petersburg area is focussed on recruiting potential hams in the over 50 age bracket, with senior citizen organizations being contacted. DXCC is being updated by making available endorsement for 80, 40 and 10 meters, with credit for contacts going back to 1945. A Roanoke Division Newsletter will be distributed shortly. ARRL will observe its 75th anniversary in 1989. The next meeting was scheduled for May 18, at Jimmy's!

Members present were: K2EZY, K3THD, K4AC, NF3X, N4MM, NC8G, N8GM, W3FZT, W3HQX, W3JGK, W3MP, WA4HVU, W4UGX.

welcome! The meeting will be held at Gottfried's Restaurant, Garrett, Indiana.

MEMBERSHIP AWARDS AND SUPPLY INFORMATION

AWARDS

CERTIFICATES AVAILABLE TO MEMBERS

MEMBERSHIP CERTIFICATES, numbered in serial order are issued to each member. Numbers are not re-issued except to the same one to whom they were first issued.

QCWA GOLD CERTIFICATES celebrate the 50th anniversary of your first license, issued to eligible members upon proof of such licensing. Certificate issued without charge.

ENDORSEMENTS for the Golden certificate, in 5-year increments, 55-60-65-70-75 year. The endorsement sticker are free of charge to eligible members.

GOLDEN 50-YEAR CERTIFICATE FOR CONTINUOUS LICENSING is available to eligible members upon submission of proof of licensing. There is a \$5 fee. Proof requires a list of all calls, years held and other pertinent information.

QCWA CENTURY CLUB CERTIFICATE is issued to QCWA members whose age when added to the number of years as a member of QCWA equal 100 or more. There is no charge for the Certificate.

MERITORIOUS AWARD is issued by Headquarters, upon the request of any Active QCWA Chapter, one such award per chapter each year. The award may be given to Chapter members for unusual dedication to QCWA & Amateur Radio. There is no charge for the Certificate.

OPERATING AWARD CERTIFICATES

QCWA Operating Award certificates are issued to QCWA members by the Activities Manager. Proof of eligibility is required.

QCWA WORKED 50 STATES awards are issued to QCWA members who have contacted members in each state of the Union.

QCWA WORKED 100 MEMBER awards are issued to QCWA members upon proof of eligibility

QCWA WORKED 60 CHAPTER awards are issued to QCWA members upon proof of eligibility

QCWA WORKED 500 MEMBER awards are issued to QCWA members upon proof of eligibility

IN ADDITION, PLAQUES ARE AWARDED TO THE HIGHEST SCORING MEMBER FOR BOTH THE PHONE & CW QSO PARTIES. Runners up receive certificates.

SUPPLIES

QCWA Lapel Pin, Gold Plated, with call engraved, specify whether Clutch pin, safety pin or screw button type. NOTE THESE PINS DO NOT HAVE YEAR TAGS. - - - \$ 9.00*

QCWA Lapel Pin, Gold Plated, with call engraved. THESE PINS HAVE YEAR TAGS, AND COME ONLY IN THE CLUTCH PIN TYPE. SPECIFY THE YEAR (25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75) - - - \$ 9.00*

QCWA LIFE MEMBER PIN, calls not engraved - - - \$ 5.00*

QCWA BLAZER EMBLEM, embroidered - - - \$ 5.00*

270 QCWA Red membership stamps (regular membership) - - - \$ 2.00*

270 QCWA Gold membership stamps (Life membership) - - - \$ 2.00*

250 QCWA Yellow, 50 Years as an Amateur - - - \$ 2.00*

QCWA LOGO ON RUBBER STAMP, Size, about 1/2" - - - \$ 5.00

QCWA LOGO on window decal - - - \$ 1.00

QCWA LOGO on cap, fits all - - - \$ 5.00

*Prices are for domestic members, International Members add \$0.50 for airmail shipment

QCWA Banner, 30 x 48 Inch, Chapter Name included - - - \$ 110.00

QCWA pays half of cost for Chapters purchasing a banner.

ORDER BLANK

To: QCWA Headquarters
1409 Cooper Dr
Irving, TX 75061-5527

Date _____

Please send the following supplies:

_____ \$ _____
_____ \$ _____
_____ \$ _____
_____ \$ _____

Ship To: _____
Name Call QCWA No.

No & Street City State Zip

NOTE THAT SUPPLIES MAY NOT BE ISSUED TO INELIGIBLE MEMBERS. 50-YEAR PINS MAY BE ONLY ISSUED TO MEMBERS WHO WERE LICENSED AT LEAST 50 YEARS PREVIOUSLY, AND SO ON!

QCWA CAPS

DON'T FORGET TO ORDER YOUR QCWA CAP. THEY'RE IN STOCK, IMMEDIATE DELIVERY AT \$5 EACH, POSTPAID! DO IT TODAY!



QCWA, INC
1409 Cooper Dr
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ALL CHAPTER MATERIAL WAS USED IN THIS EDITION OF QCWA NEWS. DEADLINE FOR NEWS FOR SUMMER EDITION IS MAY 5, 1988 HAVE YOUR MATERIAL PREPARED AND SEND IT IN AS SOON AS POSSIBLE TO INSURE PUBLICATION!